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TRIGON
ENGINEERING CONSULTANTS, INC.

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April, 15, 2008

Ms. Ruth Debrito
Smithfield Foods, Inc.
601 North Church Street
Smithfield, Virginia 23430

Reference: **Groundwater Monitoring Report**
**Hancock Country Hams**
**3484 NC Highway 22 North**
**Franklinville, North Carolina**
**Trigon Project No. 049-08-011**

Dear Ms. Debrito:

Trigon Engineering Consultants, Inc. (Trigon) is pleased to present our report of the surface water and groundwater sampling which took place at the referenced location.

Copies of this report have been forwarded to Mr. Stephen Williams and Mr. Colin Day of the North Carolina Department of Environment and Natural Resources (NCDENR), Mr. George House, and Mr. Stanford Baird. Trigon appreciates the opportunity to be of service to Smithfield Foods Inc. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Very truly yours,

**TRIGON ENGINEERING CONSULTANTS, INC.**

John C. Lindemann
Project Manager

Craig D. Neil, P.G.
Senior Registered Geologist

JCL/CDN:cas

Cc: Mr. Stanford Baird
Mr. George House
Mr. Stephen Williams
Mr. John Walch

Attachments

*h:\0490\projects\2008\011\r4908011.doc*

# HANCOCK COUNTRY HAMS
# GROUNDWATER SAMPLING REPORT

**Site Name and Location**

Hancock Country Hams
3484 NC Highway 22 North
Franklinville, North Carolina

**Latitude and Longitude:**

35° 46' 49" North; 79° 41' 40" West

**Incident Number:**

3700

**Risk Classification/Reason:**

High
(1) A water supply well used for drinking water is located within 1,000 feet of the source area of a confirmed discharge or release.
(2) The groundwater within 500 feet of the source area of a confirmed discharge or release has the potential for future use in that there is no source of water supply other than the groundwater.

**Land Use Category:**

Commercial/Residential

**UST Owners and Responsible Parties:**

1. Gwaltney of Smithfield Ltd.
   601 North Church Street
   Smithfield, Virginia 23430
   757.356.3131
   Attn. Mr. Rob Bogaard, Vice President of Operations

2. Lance, Inc.
   Post Office Box 32368
   Charlotte, North Carolina 28232
   704.554.1421

3. Ms. Julia Hancock
   3456 NC Hwy 22 N.
   Franklinville, NC 27248

**Current Land Owner:**

Gwaltney of Smithfield Ltd.
601 North Church Street
Smithfield, Virginia 23430
757.356.3131
Attn. Mr. Rob Bogaard, Vice President of Operations

**Consultant:**

Trigon Engineering Consultants, Inc.
Post Office Box 18846
Greensboro, North Carolina 27419-8846
Attn.: Mr. Craig D. Neil, P.G.
336.668-0093

**Release Information:**

| | |
|---|---|
| Date Discovered: | October 1988 |
| Cause of Release: | USTs in Pit B |
| | UST(s) Size (gal) and Content: |
| | 1) 1,000 – Gasoline – Pit A |
| | 2) 3,000 – Gasoline – Pit B |
| | 3) 3,000 – Gasoline – Pit B |
| | 4) 1,500 – Gasoline – Pit C |
| Source of Release: | UST System (Pit B) |
| Release Amount: | Unknown |
| **Date of Report:** | April 15, 2008 |

Seal and Signature of Certified Licensed Geologist

NORTH CAROLINA LICENSED SEAL 1882 GEOLOGIST CRAIG NEIL

Craig D. Neil, P.G.
NC License No. 1882

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Appendix B Field Data Sampling Sheets
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# 1.0 BACKGROUND

The site is located on the east side of the NC Hwy 22 approximately three miles south of Grays Chapel, Randolph County, North Carolina (Figure 1). The site is located in a rural, mostly undeveloped, area. The majority of the houses in the area are located along NC Hwy 22, north and south of the site, and along Cedar Forest Road, located approximately a 1/3 mile south of the site.

Westinghouse Environmental Services reported that four USTs were installed at the site in 1971. The tanks consisted of one-1,000 gallon gasoline UST, two-3,000 gallon gasoline USTs (nested together), and one-1,500 gallon gasoline UST. The UST locations are shown in Figure 2. All of the USTs were reportedly removed in 1986. Limited soil analysis data was collected from the UST excavations. Russnow, Kane, and Andrews collected samples from the South Well (SW), Ed Rhodes well (ERW), and the block house well (BHW) in May/June 1988. Contaminants associated with petroleum and chlorides were detected in the groundwater samples. The chloride in the groundwater is believed to be from the ham curing facility which operated at the site from the mid 1950's to the mid 1970's.

In May 1989, Westinghouse Environmental Services (WES) submitted an Initial Site Assessment of the site. This assessment included the drilling of numerous soil test borings, drilling and installation of two monitoring wells and three piezometers, stream sampling, and associated sampling and analyses in the fall of 1988. The site assessment determined the location of contaminated soil and began to determine the extent of groundwater contamination. The assessment confirmed that petroleum and chloride contamination was present in the bedrock aquifer. Chlorides below the State's water quality standards (NCAC 2B) have been detected in the creek east of the site. Because of the large distance to the creek (1,000 feet), Trigon believes the petroleum compounds are degrading/attenuating before they reach the creek. Also during the assessment, WES removed and treated approximately 700 cubic yards of petroleum contaminated soil from the UST Pit B area.

In early 1991, Charles T. Main (CTM) was contracted to develop a remedial action plan (RAP). Their plan was submitted to the then North Carolina Department of Environment, Health, and Natural Resources (NC DEHNR) Groundwater Section Regional Office in Winston-Salem, North Carolina on April 17, 1991. The NC DEHNR is currently the Department of Environment and Natural Resources (DENR) and will be referred to in that way in this report. The NCDENR requested additional information, and a supplemental RAP was submitted to the NCDENR on September 27, 1991. Both

RAPs proposed using a pump and treat system to remediate the groundwater. The groundwater was to be pumped from seven recovery wells, treated, and discharged under an Individual NPDES permit. CTM recommended that the chloride contaminated soil be allowed to naturally remediate over time. Because of difficulties in obtaining access to discharge the effluent, in 1996, Smithfield Foods requested that the NCDENR allow the groundwater and soil be remediated through a process of natural attenuation. Following this request, on August 26, 1996, the NCDENR requested additional assessment of the site. In March 1998, a Groundwater Monitoring Report with updated sampling data was sent to the NCDENR. Upon review of the monitoring report, on May 20, 1998 the NCDENR requested additional investigation of the bedrock aquifer. A follow-up report was issued on August 23, 1999.

On October 11, 2002, the NCDENR sent our client a Notice of Regulatory Requirements requiring the submittal of a corrective action plan (CAP) to treat the petroleum contaminated soil and groundwater. Because chloride contaminated groundwater is commingled with the petroleum contamination, the CAP addressed both contaminants. On December 20, 2002 the CAP was submitted to NCDENR. The cap called for additional soil sampling in the UST B area, with excavation and disposal of any remaining contaminated soil. Groundwater contamination would be addressed with a pump and treat system incorporating an air stripper to treat the petroleum contamination and a reverse osmosis (RO) system to deal with elevated chloride concentrations. The December 2002 CAP was developed under tight time constraints and was, thus, based on the data from the 1999 sampling events. The CAP called for a new round of sampling and re-evaluation of the CAP requirements based on the analytical results.

Groundwater sampling of the recovery wells, monitoring wells, water wells and stream, and soil sampling of the UST B pit area and the salt disposal area was conducted on June 12 and 13, 2003. The results of the sampling was reported to NCDENR in an October 3, 2003 Groundwater and Soil Sampling Report. On March 30, 2003 a meeting was held at the site between our client, Mr. Stephen Williams of NCDENR and Trigon. Based on the preliminary June 2003 sampling results and a review of the site conditions, NCDENR agreed to consider modifying the December 2002 CAP to allow remediation of remaining contamination at the site by monitored natural attenuation. The modified conditions were to be allowed only if continued monitoring indicated that the contaminant plume was stable or improving. Groundwater sampling of the recovery wells, monitoring wells, water wells and the stream conducted on October 8, 2003 confirmed that both the BTEX and chloride plumes were stable and that natural attenuation of petroleum and chloride contamination in the groundwater may be occurring.

Following a review of the groundwater sampling data from the October 2003 sampling event, the NCDENR approved our client's request on November 20, 2003 to modify the December 2002 CAP to provide for natural attenuation. On February 3, 2004, Trigon submitted a CAP to modify the December 2002 CAP, which will allow the existing petroleum and chloride contaminants in the site soil and groundwater to naturally attenuate. The February 3, 2004 natural attenuation CAP was approved by the NCDENR on March 16, 2004. A copy of the approval letter is included in Appendix A.

## 2.0 PURPOSE

The February 2004 modified CAP recommended quarterly sampling of the stream, recovery and monitoring wells, and nearby water wells to monitor the size and shape of the petroleum hydrocarbon plume, and annual monitoring of the soil in the brine disposal area.

On March 20, 2008, groundwater and surface water samples were collected and analyzed to assess the current state; i.e. size and concentrations of the hydrocarbon plume. It is the purpose of this report to present the results of the groundwater and surface water sampling conducted at the site on March 20, 2008.

## 3.0 RECEPTORS

A well survey of the area in October 1996 determined that there are approximately nine water supply wells within 1,500 feet of the site (Figure 3) and another seven wells within 1,750 feet of the site. Five of these wells are separated from the site by a stream valley (Figure 4). The names and addresses of water well users within 1,500 feet of the site are shown in Table 1. During the fall of 2007 a public water main was installed along NC Highway 22 to supply a proposed school north of the site. Individual homes have not yet been connected to the water system.

The owners of the properties located immediately adjacent to the site are listed in Table 2. Their locations are shown on Figure 3.

The hillside east of the site is dissected by numerous small gullies that feed a wet weather drainage feature located approximately 1,000 feet east of the site. This drainage feature flows into an unnamed tributary to Sandy Creek which is located approximately 1.3 miles east of the site (Figure 1).

# 4.0 METHODS

## 4.1 MONITORING AND RECOVERY WELL SAMPLING

Monitoring wells MW-1S and MW-1D and recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, and RW-7 were sampled on March 20, 2008. The locations of the monitoring and recovery wells are shown on Figure 2. The samples were sent to SGS-Paradigm Laboratories and analyzed for volatile and aromatic hydrocarbons using EPA Method 602 plus MTBE and DIPE and for chloride.

Prior to collecting the samples, the water level in each well was measured and recorded and a minimum of three well volumes of water was removed or the well was bailed dry using either a bailer or in place electric pumps. After purging, the monitoring well samples were collected with a new disposable bailer. The recovery well samples were collected from sample ports located at the well head. The samples were collected in laboratory supplied bottles, preserved, and shipped via over night courier under chain-of-custody to SGS-Paradigm Laboratories. Field sampling data sheets are included in Appendix B. Purge water was pumped into an on-site tanker truck and hauled to Smithfield Foods facility in Bladen County.

## 4.2 WATER WELL SAMPLING

Eight water wells were sampled on March 20, 2008. The South Supply Well (SW) was not sampled because the pump for the plant water supply well has been turned off. The samples were sent to SGS-Paradigm Laboratories and analyzed for volatile and aromatic hydrocarbons using EPA Method 602 plus MTBE and DIPE and for chloride. The locations of the water wells are shown on Figure 2. Prior to collecting the samples, the pumps in the water wells were allowed to run for approximately ten minutes to flush the lines and storage tanks. The samples were then collected from an outside faucet as close to the well as possible. The samples were collected in laboratory supplied bottles, preserved, and shipped via over night courier under chain-of-custody to Paradigm Laboratories. Field sampling data sheets are included in Appendix B.

## 4.3 STREAM SAMPLING

The stream located east of the site was sampled on March 20, 2008, at the upper, mid, and lower stream locations (S-1 upper, S-2 mid, and S-3 lower). .

## 4.4 FIELD MEASUREMENTS

The static water level in each monitoring and recovery well sampled was measured on March 20, 2008. The water level was measured using an electronic water level meter accurate to 0.01 feet. The water level measurement data are recorded on the field sampling sheets included in Appendix B.

# 5.0 RESULTS

## 5.1 MONITORING WELLS

Chloride was detected in wells MW-1S and MW-1D above the State's 2L .0202 Standard of 250 ppm. No volatile organic compounds were detected in the samples. The laboratory results are summarized in Table 3 and the complete laboratory reports are included as Appendix C. Historical laboratory results of the monitoring wells are summarized in Table 4.

## 5.2 RECOVERY WELLS

The laboratory analysis of the samples from RW-3, RW-6, and RW-7 detected concentrations of benzene above the State's 2L .0202 standard. The analysis of the sample from RW-7 also detected concentrations ethylbenzene, and total xylenes above the State's 2L .0202 standards. Chloride was detected above the State's 2L .0202 standard in recovery wells RW-1, RW-2, and RW-3. The laboratory results are summarized in Table 3 and the laboratory report is included as Appendix C. Historical laboratory results of the recovery wells are summarized in Table 4.

To track petroleum associated contaminant concentrations over time, wells that have contaminant concentrations that have exceeded the State 2L standards during more than two consecutive sampling

events were used to create contaminant concentration versus time graphs. This frequency was chosen solely to provide more than a two-point line on the graph. Figures 5 and 6 show the benzene concentrations versus time in RW-3 and RW-6, respectively, and Figure 7 shows the benzene, ethylbenzene, toluene, and xylenes concentration versus time in RW-7.

## 5.3 WATER SUPPLY WELLS

No volatile organic compounds were detected in any of the water well samples except for isopropyl ether (IPE) which was detected in the Beal well (1) and the Rhodes well (ERW) at concentrations below the 2L Standard and methyl-tert-butyl (MTBE) which was detected in the Beal well (1) at a concentration below the 2L Standard. Chloride was detected in all the water wells, but only above the State's standard in the sample collected before the point of entry (POE) system in the Hancock (6) well. The laboratory results are summarized in Table 3 and the laboratory report is included as Appendix C. Historical laboratory results for the water wells are summarized in Table 5.

To track the petroleum associated contaminant concentrations over time, wells that have contaminant concentrations that have exceeded the State 2L standards during more than two consecutive sampling events were used to create contaminant concentration versus time graphs. Figures 8, 9, and 10 show the benzene concentrations versus time in the South well (SW), Ed Rhodes well (ERW), and Hancock well (6), respectively.

## 5.4 STREAM SAMPLES

No volatile organic compounds were detected in any of the stream samples. Chloride concentrations were not detected above the 2L Standard in any of the stream samples, and have not been detected above the 2L Standard in the stream for more than ten years. The laboratory results are summarized in Table 6 and the laboratory report is included as Appendix C. Historical laboratory results of the stream samples are summarized in Table 6.

## 5.5 GROUNDWATER FLOW DIRECTION

The groundwater measurements collected in March 20, 2008 were used to prepare a groundwater surface contour map (Figure 11). The data shows groundwater in both the residuum and bedrock are moving generally to the southeast toward the stream. The water level data are summarized in Table 7.

## 5.6 PLUME GEOMETRY

Based on the data collected during the March 2007 sampling event, chloride is concentrated in the area immediately behind (east-southeast) the plant (MW-1S and RW-3). The concentration of chloride in the Jack Hancock (6) water supply well may be the result of groundwater being drawn toward the well along a fracture oriented in a northeast-southwest direction. A diffuse plume of chloride extends to the north, southwest, and west of the plant. This larger diffuse chloride plume could be the cumulative result of incidental spills at the plant over the last 40 years, diffusion of the chloride through the aquifer, or pumping induced movement along fractures. The current location of the chloride plume is shown in Figure 12.

Chloride concentrations had increased during the January 2008 sampling event compared to the previous sampling events in all of the recovery wells except RW-3 and in all of the water supply wells. Chloride concentrations in the Beal well (1) and the Norman well (2) had exceeded the 2L standard for the first time. Significant increases were also observed in the Gibson well (3) and the Jester well (5). However, since the January 2007 sampling event, chloride concentrations in all the recovery wells and water supply wells have stabilized.

The petroleum release reportedly occurred in the area of UST Pit B. A BTEX plume extends from RW-3 to RW-7 located on the north side of the plant. The BTEX plume does not reach the creek east of the site, based on stream sampling data. The current locations of the benzene, ethylbenzene, toluene, and xylenes plumes are shown in Figures 13, 14, 15, and 16, respectively.

## 6.0 CONCLUSIONS

Based on the results of our investigation, we offer the following conclusions and recommendations:

1. No petroleum hydrocarbons were detected in the samples collected from the nearby water supply wells during this sampling event at concentrations above the 2L Standard. Hydrocarbons associated with the UST release have consistently been detected in RW-3, RW-6, and RW-7. The concentration of hydrocarbons in RW-3 had been generally decreasing during the last two years, but increased during the last three previous sampling events and has now decreased again. The concentration of benzene in RW-6 has declined steadily over the last year. The concentrations of benzene, ethylbenzene, toluene, and xylenes (BTEX) have consistently been the highest in RW-7 and have been gradually declining during the last four years. These data indicate that the hydrocarbons plume has remained unchanged in size and the concentration of hydrocarbons is gradually declining in RW-6, RW-7 and RW-3.

2. The shallow residuum and deep bedrock aquifers are contaminated with chlorides. All the water wells in the immediate area have detectable concentrations of chlorides, but only one exceeded the 2L Standard. Samples from the Hancock well consistently have concentrations of chlorides above the State's 2L Standard of 250 ppm. The concentrations of chlorides in the samples have remained fairly constant over the 19 year sampling history at the site.

3. All the residences within 1,000 feet of the site have had point-of-use reverse osmosis systems installed at the kitchen sink. In addition, a point-of-entry carbon adsorption system was installed at the Hancock residence. As a result, there is a limited risk of exposure to hydrocarbons or chloride for people in the area. The systems are maintained on a quarterly basis. However, some residents do not always allow access to their home.

## 7.0 RECOMMENDATIONS

Concentrations of hydrocarbons in site groundwater have declined during the March 2008 sampling event. Concentrations of chloride spiked during the January 2007 sampling event but returned to previously observed trends during subsequent sampling event. Based on this, and the fact that impacted

nearby residences have maintained water treatment systems, Trigon recommends continued monitoring as specified in the February 2004 Corrective Action Plan (Table 8). Once the nearby residences have been connected to the public water system, NCDENR will be asked to reevaluate the status of the UST incident at the site.

# TABLES

**TABLE 1: PROPERTIES WITHIN 1,500 FEET OF THE SITE WITH WATER WELLS**

| Parcel ID No. | Property Owner | Property Address |
|---|---|---|
| 7794400682 | Sherry J. Norman | 3575 NC Hwy 22N, Franklinville, NC 27248 |
| 7794403084 | William E. & Jane P. Rhodes | 3520 NC Hwy 22 N., Franklinville, NC 27248 |
| 7794308034 | Joseph & Anne Sue Beal | 3511 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793491793 | Hancock Old Fashion Ctry Ham | 3482 NC Hwy 22N., Franklinville, NC 27248 |
| 7793491252 | Julia S. Hancock | 3456 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793395540 | Wilbert L. Hancock | 1716 Academy Rd. Ext., Franklinville, NC 27248 |
| 7793394490 | Terry Wesley | P. O. Box 1300, Ramseur, NC 27316 |
| 7793393252 | Raymond Jester, Jr. | 3419 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793392064 | Peggy J. Brown | 3399 NC Hwy 22N., Franklinville, NC 27248 |
| 7793381857 | James T. & Charlotte Kivett | 3367 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793582180 | Richard Wallace | 3519 Cedar Forest Rd, Franklinville, Nc 27248 |
| 7793580431 | Irene C. Garrett | 3521 Cedar Forest Rd, Franklinville, NC 27248 |
| 7793487411 | Steven E. & Loretta Thompson | 3505 Cedar Forest Rd, Franklinville, NC 27248 |

Note: Locations shown on Figure 3.

## TABLE 2: ADJACENT PROPERTY OWNERS

| Parcel ID No. | Property Owner | Property Address |
|---|---|---|
| 7794403084 | William E. & Jane P. Rhodes | 3520 NC Hwy 22 N., Franklinville, NC 27248 |
| 7794308034 | Joseph & Anne Sue Beal | 3511 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793491252 | Julia S. Hancock | 3456 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793593950 | George H. & Barbara Poe | 3862 HardinEllison Rd., Franklinville, NC 27248 |
| 7793597552 | Mark A. & Marcia Coponen | 3896 HardinEllison Rd., Franklinville, NC 27248 |
| 7793395540 | Wilbert L. Hancock | 1716 Academy Rd. Ext., Franklinville, NC 27248 |

Note: Locations shown on Figure 3.

## TABLE 3: GROUNDWATER SAMPLE RESULTS: MARCH 20, 2008

| Compound/ Analysis | Monitoring and Recovery Wells | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW-1S | MW-1D | RW-1 | RW-2 | RW-3 | RW-4 | RW-5 | RW-6 | RW-7 | State 2L |
| | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | Standards |
| Benzene | BQL | BQL | BQL | BQL | **8.13** | BQL | BQL | **16** | **167** | 1 |
| Ethylbenzene | BQL | BQL | BQL | BQL | 2.78 | BQL | BQL | 8.46 | **141** | 29 |
| Toluene | BQL | BQL | BQL | BQL | 5.37 | BQL | BQL | 28.9 | 321 | 1,000 |
| Total Xylenes | BQL | BQL | BQL | BQL | 13.08 | BQL | BQL | 45.4 | **872** | 530 |
| Total BTEX | -- | -- | -- | -- | 29.36 | -- | -- | 98.76 | 1501 | --- |
| MTBE | BQL | BQL | BQL | 1.07 | BQL | BQL | BQL | BQL | BQL | 200 |
| IPE | BQL | BQL | BQL | 2.17 | 7.01 | 1.74 | 1.75 | 6.15 | 68.2 | 70 |
| Chloride | **1670** | **1220** | **670** | **656** | **2730** | 175 | 191 | 198 | 113 | 250 |

| Compound/ Analysis | Water Supply Wells | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SW | Beal (1) | Norman (2) | Gibson (3) | Presnell (4) | Jester (5) | Hancock BTS (6) | Hancock ATS (6) | ERW | Brown (7) | State 2L |
| | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | 03/20/08 | Standards |
| Benzene | NS | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 1 |
| Ethylbenzene | NS | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 29 |
| Toluene | NS | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 1,000 |
| Total Xylenes | NS | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 530 |
| Total BTEX | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | --- |
| MTBE | NS | 2.53 | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 200 |
| IPE | NS | 11.8 | BQL | BQL | BQL | BQL | BQL | NS | 1.19 | BQL | 70 |
| Chloride | NS | 187 | 4.74 | 126 | 78.9 | 51.7 | **1230** | 99.5 | 94.1 | 207 | 250 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
BQL- Below the quantitation limit of the method of analysis
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl Ether
ERW - Ed Rhodes Well
SW - South Well
NS - Not Sampled
BTS- Before Treatment System
ATS- After Treatment System

TABLE 4: HISTORICAL MONITORING AND RECOVERY WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| Monitoring Wells | | | | | | | | | | | |
| MW-1S | | | | | | | | | | | |
| 10/23/88 | BQL | BQL | BQL | BQL | --- | NA | NA | NA | NA | NA | NA |
| 11/30/88 | NA | NA | NA | NA | --- | NA | NA | NA | NA | NA | **3,800** |
| 10/01/96 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | BQL | **21.9** | **9,844** |
| 02/17/98 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | 6.53 | **4,590** |
| 06/12/03 | BQL | BQL | 1.9 | BQL | 1.9 | BQL | BQL | BQL | BQL | 12.4 | **3,150** |
| 10/08/03 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | BQL | **3,200** |
| 01/08/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | BQL | **2,710** |
| 04/07/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | BQL | **2,800** |
| 07/20/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **2,700** |
| 12/15/04 | BQL | BQL | 1.24 | BQL | 1.24 | BQL | BQL | NA | NA | NA | **2,351** |
| 03/24/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **2,620** |
| 08/23/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **2,210** |
| 12/01/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,990** |
| 03/08/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,700** |
| 06/20/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,541** |
| 10/12/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,662** |
| 01/03/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,496** |
| 03/22/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,346** |
| 07/18/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,362** |
| 01/24/08 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,440** |
| 03/20/08 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,362** |
| | | | | | | | | | | | |
| MW-1D | | | | | | | | | | | |
| 11/9-10/88 | BQL | BQL | BQL | BQL | --- | NA | NA | NA | NA | NA | **740** |
| 02/29/96 | NA | NA | NA | NA | --- | NA | NA | NA | NA | NA | **1,387** |
| 10/11/96 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | BQL | 112 | **1,781** |
| 02/19/98 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | 155 | **851** |
| 06/12/03 | NS | NS | NS | NS | --- | NS | NS | NS | NS | NS | NS |
| 10/08/03 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | **23.5** | **1,100** |
| 01/08/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | BQL | **1,080** |
| 04/07/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | BQL | **1,040** |
| 07/20/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **987** |
| 12/15/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,029** |
| 03/24/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,150** |
| 08/23/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,480** |
| 12/01/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,370** |
| 03/08/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,200** |
| 06/20/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,394** |
| 10/12/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,297** |
| 01/03/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **1,449** |
| 3/22/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,104** |
| 07/18/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,329** |
| 01/24/08 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,000** |
| 03/20/08 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **1,220** |

Notes:
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Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
PLW - Parking Lot Well
BQL- Below the quantitation limit of the method of analysis
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl Ether
NS - Not sampled
[1] Sample collected by Westinghouse Environmental Services; piezometers currently inaccessible
[2] Sample collected by Charles T. Main
[3] Sample collected by Smithfield Foods
[4] Sample collected by BPA Environmental & Engineering, Inc.
[5] EPA Method 602 with a detection limit of 1 to 5 ppb
[6] EPA Method 504.1 with a Detection Limit of 0.02 ppb
[7] EPA Method 601 with a detection limit of 1 to 5 ppb
[8] Method 239.1 with a detection limit of 5 ppb
[9] Method SM4500C with a detection limit of 0.10 ppm
[10] Collected on 9/23/88
[11] Sample collected by Russnow, Kane, and Andrews
144/865 - Sample collected near water table/sample collected at depth
[12] Sample 3C collected from Packer Test Interval 220 - 240 ft. bls.
[13] Sample 3B Collected from Packet Test Interval 290 - 310 ft. bls.
[14] Sample 3A Collected from Packer Test Interval 319 - 339 ft. bls.
[15] Sample 6A Collected from Packer Test Interval 167 - 187 ft. bls
[16] Sample 7B Collected from Packer Test Interval 170 - 190 ft. bls.
[17] Sample collected by Trigon Engineering Consultants, Inc.

TABLE 4: HISTORICAL MONITORING AND RECOVERY WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| Recovery Wells | | | | | | | | | | | |
| RW-1 | | | | | | | | | | | |
| 05/26/93 | NA | NA | NA | NA | — | NA | NA | NA | NA | NA | **473** |
| 02/17/98 | BQL | BQL | BQL | BQL | --- | BQL | 20 | BQL | BQL | **23** | **284** |
| 03/23/99 | BQL | BQL | BQL | BQL | --- | BQL | 13 | NA | NA | NA | **492** |
| 06/12/03 | BQL | BQL | BQL | BQL | --- | BQL | 2.7 | BQL | BQL | NA | **553** |
| 10/08/03 | BQL | BQL | BQL | BQL | --- | BQL | 1 | NA | BQL | NA | **550** |
| 01/08/04 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | BQL | NA | **525** |
| 04/07/04 | BQL | BQL | BQL | BQL | --- | BQL | 1.9 | NA | BQL | NA | **612** |
| 07/20/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | NA | NA | **643** |
| 12/15/04 | BQL | BQL | BQL | BQL | --- | BQL | 1.07 | BQL | NA | NA | **594** |
| 03/24/05 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | **569** |
| 08/23/05 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | **668** |
| 12/01/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **530** |
| 03/08/06 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | 190 |
| 06/20/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **377** |
| 10/12/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **486** |
| 01/03/07 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | **665** |
| 03/22/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **308** |
| 07/18/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **704** |
| 01/24/08 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | **692** |
| 03/20/08 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | **670** |
| RW-2 | | | | | | | | | | | |
| 05/26/93 | BQL | BQL | BQL | BQL | — | BQL | NA | NA | NA | NA | **429** |
| 02/17/98 | BQL | BQL | BQL | BQL | — | BQL | 22 | BQL | BQL | **16.8** | **255** |
| 03/23/99 | BQL | BQL | BQL | BQL | --- | BQL | 12 | NA | NA | NA | **419** |
| 06/12/03 | **1.2** | BQL | 1.1 | BQL | 2.3 | BQL | BQL | BQL | BQL | 5.48 | **575** |
| 10/08/03 | BQL | BQL | BQL | BQL | — | BQL | 1 3 | NA | NA | BQL | **370** |
| 01/08/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | BQL | **765** |
| 04/07/04 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | BQL | **627** |
| 12/15/04 | BQL | BQL | BQL | BQL | — | BQL | BQL | NA | NA | NA | **755** |
| 03/24/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **773** |
| 08/23/05 | BQL | BQL | 1.51 | BQL | 1.51 | BQL | BQL | NA | NA | NA | **659** |
| 12/01/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **783** |
| 03/08/06 | BQL | BQL | BQL | BQL | --- | BQL | 1.7 | NA | NA | NA | **560** |
| 06/20/06 | BQL | BQL | BQL | BQL | --- | BQL | 2 3 | NA | NA | NA | **783** |
| 10/12/06 | BQL | BQL | BQL | BQL | --- | BQL | 1.95 | NA | NA | NA | **519** |
| 01/03/07 | BQL | BQL | BQL | BQL | — | BQL | 1.77 | NA | NA | NA | **641** |
| 03/22/07 | BQL | BQL | BQL | BQL | — | BQL | 2.32 | NA | NA | NA | **445** |
| 07/18/07 | BQL | BQL | BQL | BQL | — | BQL | BQL | BQL | BQL | BQL | **440** |
| 01/24/08 | BQL | BQL | BQL | BQL | — | BQL | 2.15 | NA | NA | NA | **498** |
| 03/20/08 | BQL | BQL | BQL | BQL | — | 2 | 1.07 | NA | NA | NA | **656** |

Notes:
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PLW - Parking Lot Well
BQL- Below the quantitation limit of the method of analysis
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl Ether
NS - Not sampled
[1] Sample collected by Westinghouse Environmental Services; piezometers currently inaccessible
[2] Sample collected by Charles T. Main
[3] Sample collected by Smithfield Foods
[4] Sample collected by BPA Environmental & Engineering, Inc.
[5] EPA Method 602 with a detection limit of 1 to 5 ppb
[6] EPA Method 504 1 with a Detection Limit of 0 02 ppb
[7] EPA Method 601 with a detection limit of 1 to 5 ppb
[8] Method 239.1 with a detection limit of 5 ppb
[9] Method SM4500C with a detection limit of 0.10 ppm
[10] Collected on 9/23/88
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[17] Sample collected by Trigon Engineering Consultants, Inc.

TABLE 4: HISTORICAL MONITORING AND RECOVERY WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| RW-3 | | | | | | | | | | | |
| 05/26/93 | NA | NA | NA | NA | --- | NA | NA | NA | NA | NA | **1,219** |
| 03/17/98 | NA | NA | NA | NA | --- | NA | NA | NA | NA | NA | **4,250** |
| 02/17/98 | **190** | BQL | 32 | BQL | 222 | BQL | 22 | BQL | BQL | **29.9** | **3,800** |
| 10/20/12 | **43** | BQL | 20 | 16 | 79 | BQL | 9 | NA | NA | NA | NA |
| 10/20/13 | **66** | BQL | 27 | 23 | 116 | BQL | 17 | NA | NA | NA | **4,250** |
| 10/20/14 | **180** | BQL | 65 | 74 | 319 | BQL | 21 | NA | NA | NA | **6,400** |
| 03/23/99 | **85** | BQL | 12 | BQL | 97 | BQL | 32 | NA | NA | NA | **3,423** |
| 06/12/03 | **45** | BQL | 160 | 219 | 424 00 | BQL | 16 | BQL | BQL | 5.45 | **4,230** |
| 10/08/03 | **99** | **84** | 300 | **560** | 1,043.00 | BQL | 79 | NA | NA | BQL | **3,800** |
| 01/08/04 | **110** | 20 | 99 | 360 | 589 00 | BQL | 30 | NA | NA | BQL | **4,210** |
| 04/07/04 | **130** | 18 | **480** | **650** | 1,278 00 | BQL | **91** | NA | NA | BQL | **4,850** |
| 07/20/04 | **74.9** | **67** | 137 | 253.8 | 532 70 | BQL | BQL | NA | NA | NA | **2,720** |
| 12/15/04 | 41.6 | 10.8 | 34 | 68.7 | 155.10 | BQL | 13 8 | NA | NA | NA | **3,705** |
| 03/24/05 | **85.2** | **37.7** | 270 | 226 | 618.90 | BQL | BQL | NA | NA | NA | **4,010** |
| 08/23/05 | **63.2** | **43.4** | 61.4 | 34.9 | 202.90 | 8 | 3.89 | NA | NA | NA | **3,290** |
| 12/01/05 | **54.7** | 7.25 | BQL | 26 8 | 88.75 | BQL | 12 2 | NA | NA | NA | **4,600** |
| 03/08/06 | **17** | 2.6 | 12 | 11 | 42 60 | BQL | 7 | NA | NA | NA | **4,400** |
| 06/20/06 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 10/12/06 | NS | NS | NS | NS | --- | NS | NS | NS | NS | NS | NS |
| 01/03/07 | **2** | BQL | 12 | 4 | 18 | BQL | BQL | NA | NA | NA | **1,758** |
| 03/22/07 | **6.24** | 1.90 | 14.30 | 16 94 | 39 38 | 3.33 | 6 03 | NA | NA | NA | **3,261** |
| 07/18/07 | **39.70** | 20.10 | 69.80 | 84.60 | 214.20 | BQL | 3.05 | NA | NA | NA | **3,767** |
| 01/24/08 | **7.35** | BQL | 3.19 | 3.81 | 14.35 | BQL | 5 24 | NA | NA | NA | **2,940** |
| 03/20/08 | **8.13** | 2.78 | 5.37 | 13 08 | 29.36 | BQL | 7.01 | NA | NA | NA | **2,730** |
| RW-4 | | | | | | | | | | | |
| 05/26/93 | BQL | BQL | BQL | BQL | --- | BQL | NA | NA | NA | NA | **457** |
| 02/17/98 | BQL | BQL | BQL | BQL | --- | BQL | 1 | BQL | BQL | **30.8** | **226** |
| 03/23/99 | BQL | BQL | BQL | BQL | --- | BQL | 5 | NA | NA | NA | **410** |
| 06/12/03 | BQL | BQL | BQL | BQL | --- | BQL | 1.7 | BQL | BQL | BQL | **368** |
| 10/08/03 | BQL | BQL | BQL | BQL | --- | BQL | 2.8 | NA | NA | BQL | **400** |
| 01/08/04 | BQL | BQL | BQL | BQL | --- | BQL | 2.2 | NA | NA | BQL | **304** |
| 04/07/04 | BQL | BQL | BQL | BQL | --- | BQL | 2.3 | NA | NA | BQL | **323** |
| 07/20/04 | BQL | BQL | BQL | BQL | --- | BQL | 1.9 | NA | NA | NA | **277** |
| 12/15/04 | BQL | BQL | BQL | BQL | --- | BQL | 2.05 | NA | NA | NA | **271** |
| 03/24/05 | BQL | BQL | BQL | BQL | --- | BQL | 2 33 | NA | NA | NA | 249 |
| 08/23/05 | BQL | BQL | BQL | BQL | --- | BQL | 1 81 | NA | NA | NA | 228 |
| 12/01/05 | BQL | BQL | BQL | BQL | --- | BQL | 1.13 | NA | NA | NA | 220 |
| 03/08/06 | BQL | BQL | BQL | BQL | --- | BQL | 1 | NA | NA | NA | 120 |
| 06/20/06 | BQL | BQL | BQL | BQL | --- | BQL | 1.65 | NA | NA | NA | 218 |
| 10/12/06 | BQL | BQL | BQL | BQL | --- | BQL | 1 57 | NA | NA | NA | 217 |
| 01/03/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **428** |
| 03/22/07 | BQL | BQL | BQL | BQL | --- | BQL | 1 56 | NA | NA | NA | 220 |
| 07/18/07 | BQL | BQL | BQL | BQL | --- | BQL | 0 04 | NA | NA | NA | 205 |
| 01/24/08 | BQL | BQL | BQL | BQL | --- | BQL | 1.49 | NA | NA | NA | 172 |
| 03/20/08 | BQL | BQL | BQL | BQL | --- | BQL | 1.74 | NA | NA | NA | 175 |

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[10] Collected on 9/23/88
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|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| RW-5 | | | | | | | | | | | |
| 05/26/93 | BQL | BQL | BQL | BQL | --- | BQL | NA | NA | NA | NA | **428** |
| 02/17/98 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | BQL | 47.9 | **316** |
| 03/23/99 | **1** | BQL | BQL | BQL | 1 | BQL | BQL | NA | NA | NA | **386** |
| 06/12/03 | BQL | BQL | BQL | BQL | --- | BQL | BQL | BQL | BQL | BQL | **282** |
| 10/08/03 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | BQL | **340** |
| 01/08/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | 5.72 | **324** |
| 04/07/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | BQL | **338** |
| 07/20/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **315** |
| 12/15/04 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **347** |
| 03/24/05 | BQL | BQL | BQL | BQL | --- | BQL | 2 | NA | NA | NA | **345** |
| 08/23/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **354** |
| 12/01/05 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **329** |
| 03/08/06 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | 150 |
| 06/20/06 | NS | NS | NS | NS | --- | NS | NS | NS | NS | NS | NS |
| 10/12/06 | NS | NS | NS | NS | --- | NS | NS | NS | NS | NS | NS |
| 01/03/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | **404** |
| 03/22/07 | NS | NS | NS | NS | --- | NS | NS | NS | NS | NS | NS |
| 07/18/07 | BQL | BQL | BQL | BQL | --- | BQL | BQL | NA | NA | NA | 298 |
| 01/24/08 | NS | NS | NS | NS | --- | NS | NS | NS | NS | NS | NS |
| 03/20/08 | BQL | BQL | BQL | BQL | --- | BQL | 1.75 | NA | NA | NA | 191 |
| RW-6 | | | | | | | | | | | |
| 05/26/88 | **252.18** | NA | 12.34 | 236.09 | 500.61 | NA | NA | NA | NA | NA | 144/865 |
| 10/01/88 | **980** | BQL | 94 | 69 | 1,143 | NA | NA | NA | NA | NA | **800** |
| 05/26/93 | **574** | BQL | 41 | 44 | 659 | 27 | NA | NA | NA | NA | 245 |
| 02/17/98 | **55** | 15 | 56 | 36 | 162 | BQL | 15 | BQL | BQL | BQL | **301** |
| 10/21/98 | BQL | BQL | BQL | BQL | --- | BQL | 8 | NA | NA | NA | **615** |
| 03/23/99 | **5** | BQL | BQL | BQL | 5 | BQL | 9 | NA | NA | NA | **599** |
| 06/12/03 | **84** | 36 | 210 | 310 | 640 | BQL | 12 | BQL | BQL | BQL | **521** |
| 10/08/03 | **76** | 52 | 220 | 380 | 728 | BQL | 23 | NA | NA | 12 | **310** |
| 01/08/04 | **51** | 40 | 170 | 310 | 571 | BQL | 32 | NA | NA | BQL | 223 |
| 04/07/04 | **38** | 24 | 120 | 184 | 366 | BQL | 10 | NA | NA | BQL | **275** |
| 07/20/04 | **41** | 327 | 141 | 226 | 735 | BQL | 12 | NA | NA | NA | 219 |
| 12/15/04 | **33.4** | 20.8 | 110 | 160.5 | 324.7 | BQL | 7.5 | NA | NA | NA | 190 |
| 03/24/05 | **25.7** | 17.9 | 80.7 | 129.4 | 253.7 | BQL | 6 05 | NA | NA | NA | 195 |
| 08/23/05 | **35.8** | 23 4 | 124 | 182 7 | 365.9 | BQL | 5.82 | NA | NA | NA | 167 |
| 12/01/05 | **31.7** | 15.7 | 117 | 147 | 311.4 | BQL | 5.98 | NA | NA | NA | 185 |
| 03/08/06 | **31** | 20 | 110 | 160 | 321 | BQL | 5.6 | NA | NA | NA | 120 |
| 06/20/06 | **36.7** | 23.8 | 138 | 203 8 | 402.3 | BQL | 12.3 | NA | NA | NA | **297** |
| 10/12/06 | **30.7** | 20.5 | 130 | 173 8 | 355 | BQL | BQL | NA | NA | NA | 212 |
| 01/03/07 | **32** | 20 | 139 | 156 | 347 | BQL | BQL | NA | NA | NA | **523** |
| 03/22/07 | **35.6** | 23.8 | 127 | 164.3 | 350.7 | BQL | 19.1 | NA | NA | NA | 212 |
| 07/18/07 | **25.8** | 16 | 118 | 147 | 306 8 | BQL | BQL | NA | NA | NA | 161 |
| 01/24/08 | **16.9** | 9.67 | 59 2 | 70.4 | 156.17 | BQL | 3.01 | NA | NA | NA | 180 |
| 03/20/08 | **16** | 8.46 | 28 9 | 45.4 | 98.76 | BQL | 6.15 | NA | NA | NA | 198 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
PLW - Parking Lot Well
BQL- Below the quantitation limit of the method of analysis

MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl Ether
NS - Not sampled
[1] Sample collected by Westinghouse Environmental Services; piezometers currently inaccessible
[2] Sample collected by Charles T. Main
[3] Sample collected by Smithfield Foods
[4] Sample collected by BPA Environmental & Engineering, Inc
[5] EPA Method 602 with a detection limit of 1 to 5 ppb
[6] EPA Method 504.1 with a Detection Limit of 0.02 ppb
[7] EPA Method 601 with a detection limit of 1 to 5 ppb
[8] Method 239.1 with a detection limit of 5 ppb
[9] Method SM4500C with a detection limit of 0.10 ppm
[10] Collected on 9/23/88
[11] Sample collected by Russnow, Kane, and Andrews
144/865 - Sample collected near water table/sample collected at depth
[12] Sample 3C collected from Packer Test Interval 220 - 240 ft. bls.
[13] Sample 3B Collected from Packet Test Interval 290 - 310 ft. bls
[14] Sample 3A Collected from Packer Test Interval 319 - 339 ft. bls.
[15] Sample 6A Collected from Packer Test Interval 167 - 187 ft. bls.
[16] Sample 7B Collected from Packer Test Interval 170 - 190 ft. bls.
[17] Sample collected by Trigon Engineering Consultants, Inc

**TABLE 4: HISTORICAL MONITORING AND RECOVERY WELL SAMPLE RESULTS**

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| **RW-7** | | | | | | | | | | | |
| 5/26/1993[2] | BQL | BQL | BQL | BQL | --- | 24 | NA | NA | NA | NA | **324** |
| 3/29/1996[2] | NA | NA | NA | NA | --- | NA | NA | NA | NA | NA | 211 |
| 2/17/1998[4] | **1,100** | **330** | **2,400** | **2,560** | 6,390 | BQL | BQL | **0.98** | BQL | **213** | 140 |
| 10/21/98 | **450** | **350** | **1,000** | **1,630** | 3430 | BQL | **83** | NA | NA | NA | 240 |
| 3/23/99 | **460** | **130** | 600 | 470 | 1660 | BQL | **110** | NA | NA | NA | **261** |
| 6/12/03 | **440** | **170** | **1100** | **1,960** | 3,670 | BQL | BQL | BQL | BQL | BQL | **293** |
| 10/8/03 | **410** | **260** | 790 | **1,480** | 2,940 | BQL | BQL | BQL | NA | BQL | **350** |
| 1/8/04 | **470** | **320** | 990 | **1,640** | 3,420 | BQL | **120** | BQL | NA | BQL | **321** |
| 4/7/04 | **390** | **280** | 960 | **1,530** | 3,160 | BQL | 62 | BQL | NA | BQL | **310** |
| 7/20/04 | **388** | **269** | 954 | **1,477** | 3,088 | BQL | 63.2 | NA | NA | NA | **283** |
| 12/15/04 | **361** | **322** | 981 | **1,354** | 3,018 | BQL | **89.9** | NA | NA | NA | **299** |
| 3/24/05 | **359** | **289** | 956 | **1,517** | 3,121 | BQL | BQL | NA | NA | NA | **258** |
| 8/23/05 | **276** | **222** | 607 | **1,597** | 2,702 | BQL | 34 | NA | NA | NA | **261** |
| 12/1/05 | **288** | **265** | 770 | **1,404** | 2,727 | BQL | 65.1 | NA | NA | NA | **287** |
| 3/8/06 | **300** | **260** | 800 | **1,400** | 2,760 | BQL | BQL | NA | NA | NA | 140 |
| 6/20/06 | **226** | **191** | 505 | **1,419** | 2,341 | BQL | **117** | NA | NA | NA | **276** |
| 10/12/06 | **201** | **183** | 475 | **1,073** | 1,932 | BQL | BQL | NA | NA | NA | **274** |
| 1/3/07 | **263** | **32.9** | 584 | **1,287** | 2166.9 | BQL | BQL | NA | NA | NA | **333** |
| 3/22/07 | **218** | **204** | 495 | **1,030** | 1947 | 41.3 | **152** | NA | NA | NA | 220 |
| 7/18/07 | **205** | **193** | 444 | **1,059** | 1901 | BQL | **115** | NA | NA | NA | 220 |
| 1/24/08 | **162** | **143** | 261 | **867** | 1433 | BQL | **27.0** | NA | NA | NA | 125 |
| 3/20/08 | **167** | **141** | 321 | **872** | 1501 | BQL | 68.2 | NA | NA | NA | 113 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
PLW - Parking Lot Well
BQL- Below the quantitation limit of the method of analysis
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl Ether
NS - Not sampled
[1] Sample collected by Westinghouse Environmental Services; piezometers currently inaccessible
[2] Sample collected by Charles T. Main
[3] Sample collected by Smithfield Foods
[4] Sample collected by BPA Environmental & Engineering, Inc.
[5] EPA Method 602 with a detection limit of 1 to 5 ppb
[6] EPA Method 504.1 with a Detection Limit of 0.02 ppb
[7] EPA Method 601 with a detection limit of 1 to 5 ppb
[8] Method 239.1 with a detection limit of 5 ppb
[9] Method SM4500C with a detection limit of 0.10 ppm
[10] Collected on 9/23/88
[11] Sample collected by Russnow, Kane, and Andrews
144/865 - Sample collected near water table/sample collected at depth
[12] Sample 3C collected from Packer Test Interval 220 - 240 ft. bls.
[13] Sample 3B Collected from Packet Test Interval 290 - 310 ft. bls.
[14] Sample 3A Collected from Packer Test Interval 319 - 339 ft. bls
[15] Sample 6A Collected from Packer Test Interval 167 - 187 ft. bls
[16] Sample 7B Collected from Packer Test Interval 170 - 190 ft. bls.
[17] Sample collected by Trigon Engineering Consultants, Inc.

## TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| Water Supply Wells | | | | | | | | | | | |
| SW-1 | | | | | | | | | | | |
| 5/26/1988 | BQL | NA | BQL | BQL | -- | NA | NA | NA | NA | NA | 542 |
| 8/30/1988 | 750 | BQL | 83 | 150 | 983 | NA | NA | NA | NA | NA | 600 |
| 5/20/1993 | 121 | BQL | 8 | 22 | 151 | NA | NA | NA | NA | NA | 562 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | 4 | 37 | NA | BQL | BQL | 208 |
| 2/17/1998 | BQL | BQL | BQL | BQL | -- | BQL | 22 | BQL | BQL | BQL | 668 |
| 6/12/2003 | BQL | BQL | BQL | BQL | -- | BQL | 11 | BQL | BQL | BQL | 553 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | 4 | NA | NA | 6.5 | 390 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | 3.4 | NA | NA | BQL | 440 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | 6.2 | NA | NA | BQL | 298 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | 1.57 | NA | NA | BQL | 377 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | 4.46 | NA | NA | NA | 209 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | 1.28 | NA | NA | NA | 353 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 532 |
| 6/20/2006 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 10/12/2006 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 1/5/2007 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 3/22/2007 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 7/18/2007 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 1/24/2008 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| 3/20/2008 | NS | NS | NS | NS | -- | NS | NS | NS | NS | NS | NS |
| Bent (1) | | | | | | | | | | | |
| 8/30/1988 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 93 |
| 5/20/1993 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 136 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | BQL | 4 | NA | BQL | BQL | 91.2 |
| 2/18/1998 | BQL | BQL | BQL | BQL | -- | BQL | 17 | BQL | NA | 5.97 | 86 |
| 6/13/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | BQL | BQL | 110 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 90 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | 3 | NA | NA | BQL | 94.5 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 77.5 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 73.1 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | 9.89 | NA | NA | NA | 154 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 85.4 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 99.4 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 7.49 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | 5.4 | NA | NA | NA | 63 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | 13.7 | NA | NA | NA | 218 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | 3.92 | NA | NA | NA | 229 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | 2.2 | NA | NA | NA | 333 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | 2.8 | NA | NA | NA | 158 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 127 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | 2.46 | NA | NA | NA | 181 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | 2.53 | 11.8 | NA | NA | NA | 187 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
NS - Not Sampled
BQL- Below the quantitation limit of the method of analysis
SW - South Well
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl ether

## TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| Water Supply Wells | | | | | | | | | | | |
| F Norman (2) | | | | | | | | | | | |
| 8/30/1988 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 8.6 |
| 5/20/1993 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 9 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | BQL | BQL | 49.9 |
| 2/18/1998 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | BQL | 43.4 |
| 6/12/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | BQL | BQL | 2.4 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 6.7 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 5.82 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 7.56 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 9.5 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 8.58 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 10.8 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | 3.89 | NA | NA | NA | 135 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 6.2 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 19.6 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 17.7 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 309 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 11.4 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 15 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 5.93 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 4.74 |
| Gibson (3) | | | | | | | | | | | |
| 8/30/1988 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 210 |
| 5/20/1993 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 265 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | BQL | BQL | 343 |
| 2/18/1998 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | BQL | 205 |
| 6/13/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | BQL | BQL | 230 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | 12 | 260 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 276 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 267 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 302 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 238 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 235 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 230 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 402 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 100 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 191 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 174 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 356 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 160.4 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 193 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | NA | 137 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 126 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
NS - Not Sampled
BQL- Below the quantitation limit of the method of analysis
SW - South Well
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl ether

## TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| Water Supply Wells | | | | | | | | | | | |
| Presnell (4) | | | | | | | | | | | |
| 8/30/1988 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 100 |
| 5/20/1993 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 265 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | BQL | BQL | 119 |
| 2/18/1998 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | BQL | 80.8 |
| 6/13/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | 2.9 | BQL | 88 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 86 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 74.7 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 70.9 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 90.2 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 76 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 87.3 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 103 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 80.8 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 45 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 92.9 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 82.5 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 119 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 75 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 88 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 80.8 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 78.9 |
| Jester (5) | | | | | | | | | | | |
| 8/30/1988 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 34 |
| 5/20/1993 | BQL | BQL | BQL | BQL | -- | NA | NA | NA | NA | NA | 35 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | BQL | BQL | 493 |
| 2/17/1998 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | BQL | 67 |
| 6/13/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | BQL | BQL | 43 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 46 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 42 9 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 42.1 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 43.4 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 47.5 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 49.1 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 58.2 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 38.5 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 33 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 44 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 47.1 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 127 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 46.6 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 51 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 43 3 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 51.7 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
NS - Not Sampled
BQL- Below the quantitation limit of the method of analysis
SW - South Well
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl ether
* Sample actually taken before treatment system

## TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| Water Supply Wells | | | | | | | | | | | |
| J. Hancock (6) before treatment system | | | | | | | | | | | |
| 8/30/1988 | 11 | BQL | 1 | 13 | 25 | NA | NA | NA | NA | NA | **3,100** |
| 5/20/1993 | 192 | BQL | BQL | BQL | 192 | NA | NA | NA | NA | NA | **2,224** |
| 2/29/1996 | NA | NA | NA | NA | -- | NA | NA | NA | NA | NA | **2,741** |
| 10/1/1996 | 68 | BQL | BQL | 9 | 77 | 4 | 23 | NA | BQL | 6 55 | **4,189** |
| 2/17/1998 | 56 | BQL | BQL | BQL | 56 | BQL | 15 | BQL | NA | BQL | **3,934** |
| 6/13/2003 | BQL | BQL | BQL | BQL | -- | BQL | 3 | BQL | BQL | BQL | **2,300** |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | **780** |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | **826** |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | **906** |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | **900** |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **879** |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **912** |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,010** |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,290** |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,400** |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,199** |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,132** |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,152** |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **926** |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,265** |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,000** |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | **1,230** |
| J. Hancock (6) after treatment system | | | | | | | | | | | |
| 6/20/2006 | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NA | NA | NA | **1223*** |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 61.3 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 127 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 83.8 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 87 5 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NS | NS | NS | 89.8 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NS | NS | 99.5 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
NS - Not Sampled
BQL- Below the quantitation limit of the method of analysis
SW - South Well
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl ether

## TABLE 5: HISTORICAL WATER WELL SAMPLE RESULTS

| Compound/Analysis | Benzene | Ethylbenzene | Toluene | Total Xylenes | Total BTEX | MTBE | IPE | EDB | Method 601 | Lead | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L Standards | 1 | 29 | 1,000 | 530 | --- | 200 | 70 | $4 \times 10^{-4}$ | --- | 15 | 250 |
| **Water Supply Wells** | | | | | | | | | | | |
| Rhodes (ERW) | | | | | | | | | | | |
| 5/26/1988 | 715.8 | NA | 108.5 | 276.32 | 1,100.62 | NA | NA | NA | NA | NA | 79 |
| 8/30/1988 | 400 | BQL | 71 | BQL | 471 | NA | NA | NA | NA | NA | 190 |
| 5/20/1993 | 39 | BQL | BQL | BQL | 39 | NA | NA | NA | NA | NA | 147 |
| 10/1/1996 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | BQL | 171 |
| 2/18/1998 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | NA | BQL | 86 |
| 6/12/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | BQL | BQL | 81 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 120 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 108 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 114 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | 1.57 | NA | NA | BQL | 123 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 109 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 104 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 125 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 103 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 52 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 88.3 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 84.9 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 119 |
| 3/22/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 93.6 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 110 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 75.6 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | 1.19 | NA | NA | NA | 94.1 |
| Brown (7) | | | | | | | | | | | |
| 6/12/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | BQL | BQL | BQL | 380 |
| 10/8/2003 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 420 |
| 1/8/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 297 |
| 4/7/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | BQL | 470 |
| 7/20/2004 | BQL | BQL | BQL | BQL | -- | BQL | 1.57 | NA | NA | BQL | 408 |
| 12/15/2004 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 330 |
| 3/24/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 475 |
| 8/23/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 305 |
| 12/1/2005 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 228 |
| 3/8/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 110 |
| 6/20/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 230 |
| 10/12/2006 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 220 |
| 1/5/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 273 |
| 3/33/07 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 177 |
| 7/18/2007 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 224 |
| 1/24/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 212 |
| 3/20/2008 | BQL | BQL | BQL | BQL | -- | BQL | BQL | NA | NA | NA | 207 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2L Groundwater Quality Standards are bold
2L Standards - Subchapter 2L Quality Standards for Class GA groundwater
NA- Not analyzed for this compound
NS - Not Sampled
BQL- Below the quantitation limit of the method of analysis
SW - South Well
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl ether

**TABLE 6: HISTORICAL SURFACE WATER SAMPLE RESULTS**

| Compound/ Analysis | S-1 (upper) | | | | | | | | | | | | | | | | | | | | State Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10/31/88[5] | 10/11/96[6] | 2/18/98[6] | 6/12/03[7] | 10/8/03[7] | 1/8/04[7] | 4/7/04[7] | 7/20/04[7] | 12/15/04[7] | 3/24/05[7] | 8/23/05[7] | 12/01/05[7] | 3/08/06[7] | 6/20/06[7] | 10/12/06[7] | 1/3/07[7] | 3/22/07[7] | 7/18/07[7] | 1/24/08[7] | 3/20/2008[7] | |
| Benzene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | BQL | NS | NS | BQL | 1.19 |
| Ethylbenzene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | BQL | NS | NS | BQL | 11 |
| Toluene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | BQL | NS | NS | BQL | — |
| Total Xylenes[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | BQL | NS | NS | BQL | — |
| Total BTEX | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| MTBE[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | BQL | NS | NS | BQL | — |
| DIPE[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | BQL | NS | NS | BQL | — |
| EDB[8] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NS | NA | BQL | NS | NS | BQL | BQL | NS | NS | BQL | — |
| Method 601[2] | NA | BQL | NA | BQL | NA | NA | NA | NA | NA | NA | NS | NA | BQL | NS | NS | BQL | BQL | NS | NS | BQL | — |
| Lead[3] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NS | NA | BQL | NS | NS | BQL | BQL | NS | NS | BQL | 25 |
| Chloride[4] | 1,000 | 74.6 | 22.8 | 12 | 7.6 | 10.8 | 13.6 | 209 | 31.6 | 27.8 | NS | 33.3 | 35 | NS | NS | 37.5 | 23.3 | NS | NS | 46.3 | 250 |

| Compound/ Analysis | S-2 (mid) | | | | | | | | | | | | | | | | | | | | State Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10/31/88[5] | 10/11/96[6] | 2/18/98[6] | 6/12/03[7] | 10/8/03[7] | 1/8/04[7] | 4/7/04[7] | 7/20/04[7] | 12/15/04[7] | 3/24/05[7] | 8/23/05[7] | 12/01/05[7] | 3/08/06[7] | 6/20/06[7] | 10/12/06[7] | 1/3/07[7] | 3/22/07[7] | 7/18/07[7] | 1/24/08[7] | 3/20/2008[7] | |
| Benzene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | 1.19 |
| Ethylbenzene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | — |
| Toluene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | 11 |
| Total Xylenes[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | — |
| Total BTEX | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| MTBE[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | — |
| DIPE[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | — |
| EDB[8] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NA | NA | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | — |
| Method 601[2] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NA | NA | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | 25 |
| Lead[3] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NA | NA | BQL | BQL | NS | BQL | BQL | NS | NS | BQL | 250 |
| Chloride[4] | 840 | 72.2 | 156 | 27 | 16 | 39.8 | 41.1 | 15.1 | 64.1 | 49.8 | 79.2 | 248 | 39 | 26.4 | NS | 39.9 | 55.9 | NS | NS | 72.9 | 250 |

| Compound/ Analysis | S-3 (lower) | | | | | | | | | | | | | | | | | | | | State Standard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10/31/88[5] | 10/11/96[6] | 2/18/98[6] | 6/12/03[7] | 10/8/03[7] | 1/8/04[7] | 4/7/04[7] | 7/20/04[7] | 12/15/04[7] | 3/24/05[7] | 8/23/05[7] | 12/01/05[7] | 3/08/06[7] | 6/20/06[7] | 10/12/06[7] | 1/3/07[7] | 3/22/07[7] | 7/18/07[7] | 1/24/08[7] | 3/20/2008[7] | |
| Benzene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 1.19 |
| Ethylbenzene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 11 |
| Toluene[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | — |
| Total Xylenes[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | — |
| Total BTEX | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| MTBE[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | — |
| DIPE[1] | NA | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | — |
| EDB[8] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NA | NA | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | — |
| Method 601[2] | NA | BQL | NA | BQL | NA | NA | NA | NA | NA | NA | NA | NA | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 25 |
| Lead[3] | NA | BQL | BQL | BQL | NA | NA | NA | NA | NA | NA | NA | NA | BQL | BQL | BQL | BQL | BQL | NS | BQL | BQL | 250 |
| Chloride[4] | 700 | 295 | 54.7 | 29 | 32 | 53.4 | 53.1 | 97.1 | 105 | 51.2 | 35.6 | 140 | 61 | 75.8 | 25.9 | 79.8 | 70.9 | NS | 75.8 | 79 3 | 250 |

Notes:
All results in parts per billon (ppb), except chloride which is presented in parts per million (ppm)
Concentrations which exceed the 2B Surface Water Quality Standards are bold
2B Standards - Subchapter 2B Quality Standards for Surface Water (NCAC 15A 2B.0200)
NS- Not Sampled
NA- Not analyzed for this compound
BQL- Below the quantitation limit of the method of analysis
MTBE - Methyl-tert-butyl-ether
IPE - Isopropyl Ether
[1] EPA Method 602 with a detection limit of 1 to 2 ppb
[2] EPA Method 601with a detection limit of 1 to 5 ppb
[3] EPA Method 239.1with a detection limit of 5 ppb
[4] EPA Method SM4500C with a detection limit of 0.10 ppm
[5] Sample collected by Westinghouse Environmental
[6] Sample collected by BPA Environmental & Engineering, Inc
[7] Sample collected by Trigon Engineering Consultants, Inc.
[8] EPA Method 504.1 with a detection of 0.02 ppb

**TABLE 7: SUMMARY OF MONITORING WELL AND GROUNDWATER ELEVATION DATA**

| Well No | Elevation[1] (ft) | | Well Construction (ft) | | | Static Water Levels | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 11/18/88[3] | | 2/17-19/98[4] | | 3/13/99[4] | | 5/23/99[4] | | 6/12/03[6] | | 10/8/03[6] | | 1/8/04[6] | | 4/7/04[6] | | 7/20/04[6] | |
| | Top of Casing | Top of Screen | Length of Screen | Depth of Casing[5] | Depth of Well | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation |
| MW-1S | 842.84 | 845 31 | 5 0 | NA | 15 | 13.95 | 831.36 | 13.20 | 832.11 | --- | --- | 14 25 | 831.06 | 14 21 | 828.63 | 14.34 | 828.50 | 14.17 | 828 67 | 14.07 | 828 77 | 14.32 | 828 52 |
| MW-1D | 674 66 | - | NA | 11 0 | 72 | 13.11 | 663 00 | 4 70 | 671.41 | --- | --- | 11.05 | 665 06 | --- | --- | 9 30 | 665 36 | 9.43 | 665.23 | 7.96 | 666.70 | 10.74 | 663.92 |
| P-1 | 809.32 | 811 84 | 2 40 | NA | 3 | 3 60 | 808 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P-2 | ND | 765.00 | 2.4 | NA | 5.5 | 3.70 | 761.30 | 4 95 | 760 05 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P-3 | 682 98 | 684.89 | 2.4 | NA | 2.9 | 2 78 | 682 11 | 2.22 | 682.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RW-1 | 842.56 | - | NA | 23 8 | 220 | --- | --- | 130.85 | 712.31 | 147.25 | 695 91 | >151.50 | <691 66 | 139 20 | 703.36 | 117.99 | 724 57 | 119.08 | 723 48 | 122 22 | 720 34 | 118.11 | 724.45 |
| RW-2 | 850 47 | - | NA | 38 6 | 401 | --- | --- | 130 40 | 720.58 | 149.62 | 701.36 | 145.50 | 705 48 | 126.25 | 724.22 | 121.88 | 728 59 | 122 75 | 727.72 | 123.47 | 727.00 | 121.79 | 728.68 |
| RW-3 | 840 65 | - | NA | 52 5 | 340 | --- | --- | 129 50 | 711.47 | 141 25 | 699.72 | 139.55 | 701 42 | 124.14 | 716.51 | 112.86 | 727.79 | 115.78 | 724 87 | 113.32 | 727.33 | 113 04 | 727 61 |
| RW-4 | 821.49 | - | NA | 20.0 | 301 | --- | --- | 105 20 | 715 10 | 119.11 | 701.19 | 118 25 | 702.05 | 103.34 | 718 15 | 96.11 | 725.38 | 97.46 | 724 03 | 97.81 | 723.68 | 95 66 | 725 83 |
| RW-5 | 831.07 | - | NA | 29.5 | 303 | --- | --- | 115 35 | 716 63 | 129.10 | 702 88 | 128 35 | 703 63 | 112 26 | 718 81 | 105.87 | 725 20 | 107 55 | 723 52 | 107.22 | 723.85 | 105.78 | 725 29 |
| RW-6 (PLW) | 858.38 | - | NA | 37.7 | 267 | 137 64 | 721.68 | 137.28 | 722 04 | 151.10 | 708 22 | 150 35 | 708.97 | 132 53 | 725 85 | 126.69 | 731.69 | 128.68 | 729 70 | 129.41 | 728.97 | 127 04 | 731.34 |
| RW-7 | 857.00 | - | NA | 14.1 | 221 | --- | --- | 134.70 | 722.96 | 145.45 | 712.21 | 145 20 | 712.46 | 130.27 | 726.73 | 124 62 | 732.38 | 126.74 | 730 26 | 127.46 | 729.54 | 125.09 | 731.91 |

| Well No. | Elevation[1] (ft) | | Well Construction (ft) | | | Static Water Levels | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 01/05/05[6] | | 03/24/05[6] | | 08/23/05[6] | | 12/01/05[6] | | 3/08/06[6] | | 6/20/06[6] | | 10/12/06[6] | | 1/3/07[6] | | 3/22/07[6] | |
| | Top of Casing | Top of Screen | Length of Screen | Depth of Casing[5] | Depth of Well | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft ) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation | Depth (ft.) | Elevation |
| MW-1S | 842.84 | 845.31 | 5.0 | NA | 15 | 14 07[7] | 828.77 | 13 8 | 829 04 | 14.19 | 828.65 | 13 93 | 828.91 | 12 95 | 829.89 | 14.05 | 828.79 | 14.16 | 828 68 | 13 64 | 829.20 | 13.82 | 829.02 |
| MW-1D | 674 66 | - | NA | 11.0 | 72 | 10 02[7] | 664.64 | 7 39 | 667.27 | 11 39 | 663.27 | 12.15 | 662 51 | 12 33 | 662 33 | 12 35 | 662 31 | 14.52 | 660.14 | 10.28 | 664.38 | 9 02 | 665.64 |
| P-1 | 809.32 | 811.84 | 2.40 | NA | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P-2 | ND | 765 00 | 2.4 | NA | 5 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P-3 | 682.98 | 684 89 | 2.4 | NA | 2 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RW-1 | 842 56 | - | NA | 23.8 | 220 | 121.75 | 720 81 | 118.31 | 724 25 | 118 11 | 724 45 | 121 85 | 720.71 | 121.82 | 720 74 | 121.49 | 721.07 | 123.17 | 719 39 | 123 65 | 718.91 | 122 61 | 719 95 |
| RW-2 | 850 47 | - | NA | 38.6 | 401 | 127 24 | 723 23 | 122 99 | 727 48 | 123.92 | 726 55 | 127 16 | 723 31 | 124 04 | 726 43 | 126 04 | 724.43 | 128.63 | 721.84 | 127.99 | 722.48 | 125.4 | 725 07 |
| RW-3 | 840.65 | - | NA | 52.5 | 340 | 121.92 | 718.73 | 114.96 | 725.69 | 114.1 | 726 55 | 123 01 | 717.64 | 115.14 | 725.51 | 115 52 | 725.13 | 115 6 | 725 05 | 124 6 | 716 05 | 114.97 | 725.68 |
| RW-4 | 821.49 | - | NA | 20.0 | 301 | 100 26 | 721.23 | 96.98 | 724.51 | 96.69 | 724 80 | 100.49 | 721.00 | 100 43 | 721 06 | 104 2 | 717.29 | 102.22 | 719.27 | 102 08 | 719 41 | 100.59 | 720.90 |
| RW-5 | 831.07 | - | NA | 29.5 | 303 | 110 45 | 720 62 | 107.1 | 723.97 | 106 89 | 724 18 | 110.64 | 720 43 | 110 65 | 720.42 | 111.21 | 719 86 | 112 42 | 718 65 | 112.34 | 718 73 | 110.62 | 720 45 |
| RW-6 (PLW) | 858 38 | - | NA | 37.7 | 267 | 131.44 | 726 94 | 128 78 | 729.60 | 128 17 | 730 21 | 132.01 | 726 37 | 131 69 | 726.69 | 127.04 | 731.34 | 125 65 | 732.73 | 133 33 | 725 05 | 131.52 | 726 86 |
| RW-7 | 857.00 | - | NA | 14 1 | 221 | 129 55 | 727.45 | 126.89 | 730.11 | 126 22 | 730.78 | 130.09 | 726.91 | 129.67 | 727.33 | 129.44 | 727 56 | 131 36 | 725.64 | 131 34 | 725.66 | 129 46 | 727 54 |

| Well No. | Elevation[1] (ft) | | Well Construction (ft) | | | Static Water Levels | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 7/18/07[6] | | 1/24/08[6] | | 3/20/2008[6] | |
| | Top of Casing | Top of Screen | Length of Screen | Depth of Casing[5] | Depth of Well | Depth (ft.) | Elevation | Depth (ft ) | Elevation | Depth (ft.) | Elevation |
| MW-1S | 842 84 | 845 31 | 5 0 | NA | 15 | 12.21 | 830.63 | 14 6 | 828.24 | 14 47 | 828.37 |
| MW-1D | 674 66 | - | NA | 11.0 | 72 | 12 77 | 661.89 | 12.9 | 661.76 | 16.50 | 658.16 |
| P-1 | 809.32 | 811 84 | 2.40 | NA | 3 | --- | --- | --- | --- | --- | --- |
| P-2 | ND | 765 00 | 2.4 | NA | 5.5 | --- | --- | --- | --- | --- | --- |
| P-3 | 682.98 | 684 89 | 2.4 | NA | 2 9 | --- | --- | --- | --- | --- | --- |
| RW-1 | 842.56 | - | NA | 23.8 | 220 | 121 75 | 720.81 | 127.24 | 715.32 | 127.53 | 715 03 |
| RW-2 | 850.47 | - | NA | 38 6 | 401 | 125 12 | 725.35 | 132.81 | 717.66 | 132 54 | 717 93 |
| RW-3 | 840.65 | - | NA | 52 5 | 340 | 126 67 | 713.98 | 128 31 | 712.34 | 128 29 | 712.36 |
| RW-4 | 821.49 | - | NA | 20.0 | 301 | 100.09 | 721 40 | 106 18 | 715 31 | 106 32 | 715.17 |
| RW-5 | 831 07 | - | NA | 29 5 | 303 | 110.30 | 720.77 | 116 45 | 714 62 | 116 62 | 714 45 |
| RW-6 (PLW) | 858.38 | - | NA | 37.7 | 267 | 130.95 | 727.43 | 139.11 | 719.27 | 139.31 | 719.07 |
| RW-7 | 857.00 | - | NA | 14.1 | 221 | 129.25 | 727.75 | 137.05 | 719.95 | 137.21 | 719.79 |

--- Depth to Groundwater Not Measured

[1]Elevations surveyed from USGS Benchmark by Concord Engineering & Surveying.

[2]Static water levels measured from the top of casing.

[3]Water levels measured by Westinghouse Environmental Services.

[4]Water levels measured by BPA Environmental & Engineering, Inc.

[5]Bedrock Well - Open hole from this depth down Depth of casing determined from geophysical logging.

[6]Water levels measured by Trigon Engineering Consultants, Inc.

[7]MW-1D and MW-1S water level measured 12/15/04

NA - Not applicable

MW - Monitoring well

P - Piezometer

RW - Recovery Well

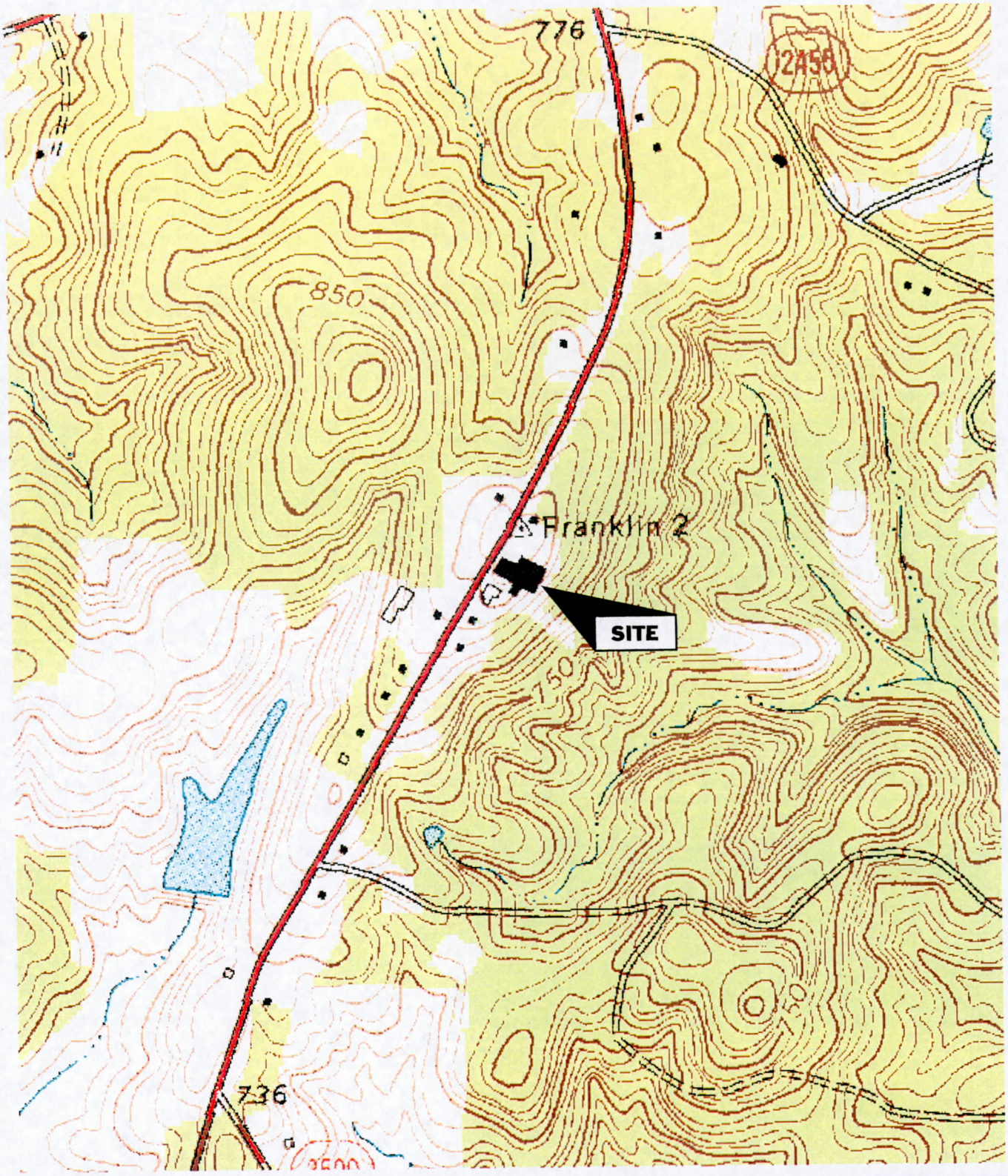
PLW - Also referred as the Parking Lot Well

**TABLE 8: MONITORING SCHEDULE**

| Sample Location/Task | Frequency | Analysis |
|---|---|---|
| RW-1 thru RW-7, MW-1S, MW-1D | Quarterly | Method 602 plus MTBE/DIPE and Chloride |
| Water Wells | Quarterly | Method 602 plus MTBE/DIPE and Chloride |
| Creek | Quarterly | Method 602 plus MTBE/DIPE and Chloride |
| Soil Chloride Area | Annually | Standard Method 300 for Chloride |

Notes: For site closure, Trigon will analyze all monitoring well/and soil samples by risk based methodology.

# FIGURES



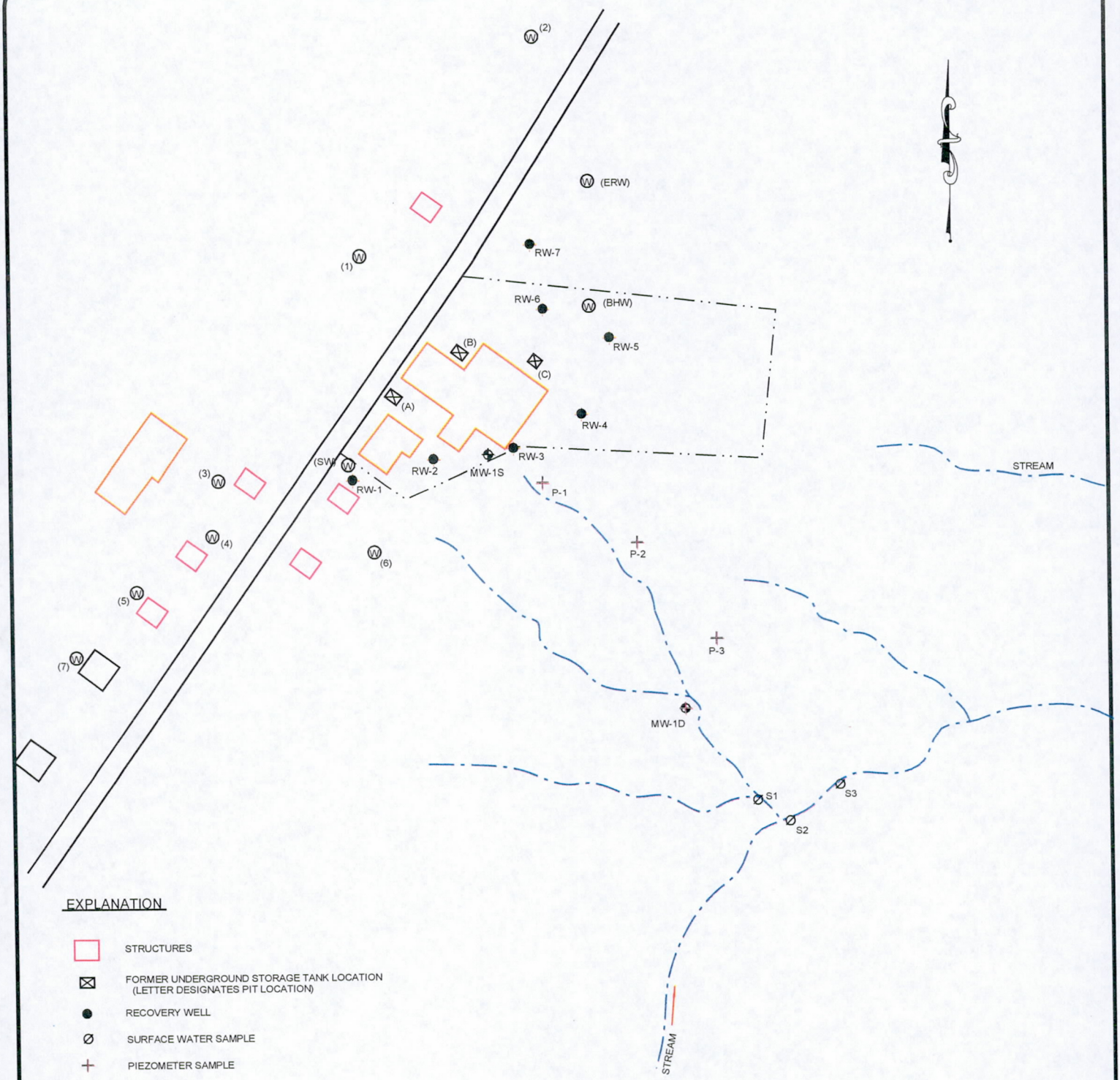

| SCALE: | DATE: | APPROVED BY: | SOURCE: 1974 USGS TOPOGRAPHIC MAP, GRAYS CHAPEL QUADRANGLE |
|---|---|---|---|
| 1"=400' | 3/20/08 | | |

**HANCOCK COUNTRY HAMS**
**3484 NC HIGHWAY 22**
**FRANKLINVILLE, NORTH CAROLINA**
**TRIGON PROJECT NO. 049-08-011**

**SITE LOCATION MAP**

**FIGURE 1**

TRIGON
Trigon Engineering Consultants, Inc.
313 Gallimore Dairy Road
Greensboro, North Carolina 27409




EXPLANATION

- STRUCTURES
- FORMER UNDERGROUND STORAGE TANK LOCATION (LETTER DESIGNATES PIT LOCATION)
- RECOVERY WELL
- SURFACE WATER SAMPLE
- PIEZOMETER SAMPLE
- MONITORING WELL
- (7) DOMESTIC WATER SUPPLY WELL - (NUMBER FOR IDENTIFICATION PURPOSE ONLY)

ERW - ED RHODES WELL
BHW - BLOCK HOUSE WELL - (ABANDONED)
SW - SOUTH WELL

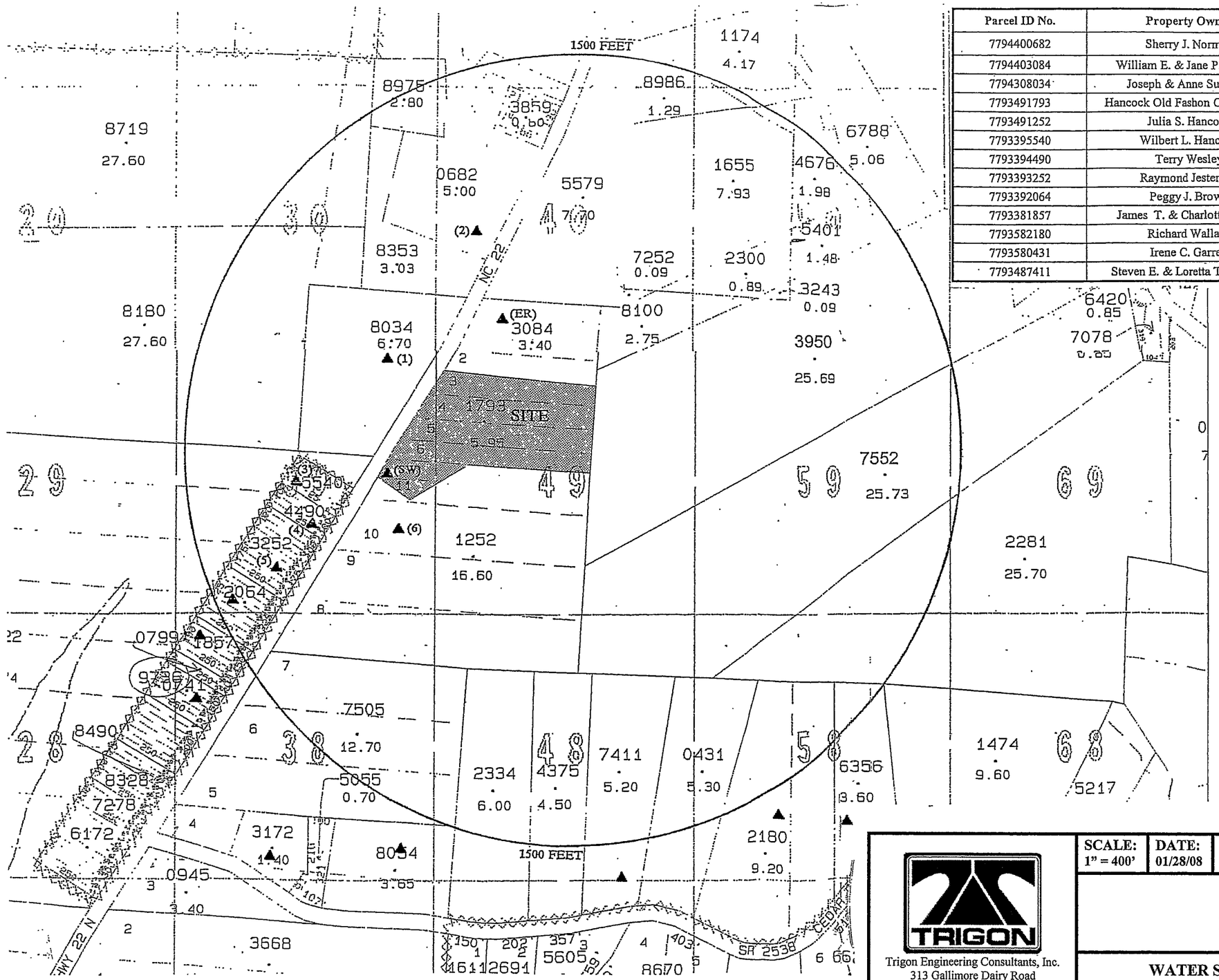
# SITE MAP

## HANCOCK COUNTRY HAMS
## FRANKLINVILLE, NORTH CAROLINA

TRIGON
ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA

| | | | |
|---|---|---|---|
| DRAWN BY: DRK | APPROVED BY CDN | Project No. 049-08-011 |
| DATE: 8/13/04 | | HORIZONTAL: 1" = 300' |
| | | FIGURE 2 |

8/14/97




| Parcel ID No. | Property Owner | Property Address |
|---|---|---|
| 7794400682 | Sherry J. Norman | 3575 NC Hwy 22N, Franklinville, NC 27248 |
| 7794403084 | William E. & Jane P. Rhodes | 3520 NC Hwy 22 N., Franklinville, NC 27248 |
| 7794308034 | Joseph & Anne Sue Beal | 3511 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793491793 | Hancock Old Fashon CTRY Ham | 3482 NC Hwy 22N., Franklinville, NC 27248 |
| 7793491252 | Julia S. Hancock | 3456 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793395540 | Wilbert L. Hancock | 1716 Academy Rd. Ext., Franklinville, NC 27248 |
| 7793394490 | Terry Wesley | P. O. Box 1300, Ramseur, NC 27316 |
| 7793393252 | Raymond Jester, Jr. | 3419 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793392064 | Peggy J. Brown | 3399 NC Hwy 22N., Franklinville, NC 27248 |
| 7793381857 | James T. & Charlotte Kivett | 3367 NC Hwy 22 N., Franklinville, NC 27248 |
| 7793582180 | Richard Wallace | 3519 Cedar Forest Rd, Franklinville, Nc 27248 |
| 7793580431 | Irene C. Garrett | 3521 Cedar Forest Rd, Franklinville, NC 27248 |
| 7793487411 | Steven E. & Loretta Thompson | 3505 Cedar Forest Rd, Franklinville, NC 27248 |

EXPLANATION:

▲ WATER SUPPLY WELL
(1) SAMPLE IDENTIFICATION NUMBER
6 LOT IDENTIFICATION NUMBER

NOTE: WATER SUPPLY WELL LOCATIONS ARE APPROXIMATE.

FIGURE FROM RANDOLPH COUNTY, NORTH CAROLINA 1996 PROPERTY MAP, SHEETS 7793 AND 7794

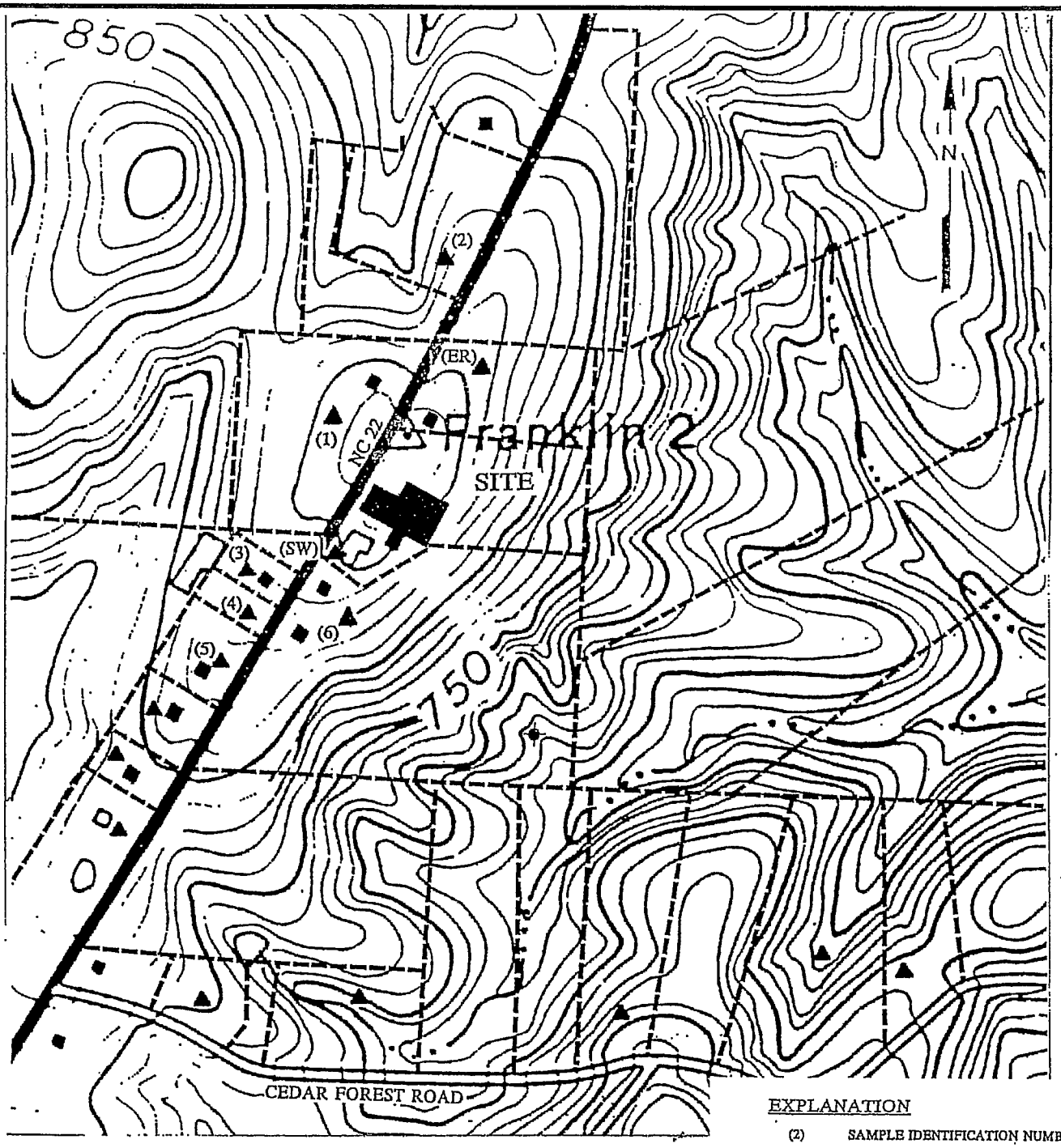
TRIGON
Trigon Engineering Consultants, Inc.
313 Gallimore Dairy Road
Greensboro, North Carolina 27409

| SCALE: | DATE: | APPROVED BY: | SOURCE: |
|---|---|---|---|
| 1" = 400' | 01/28/08 | CDN | BPA ENVIRONMENTAL & ENGINEERING, INC. MARCH 23, 1998 REPORT |

**HANCOCK COUNTRY HAMS**
**3484 NC HIGHWAY 22**
**FRANKLINVILLE, NORTH CAROLINA**
**TRIGON PROJECT NO. 042-07-117**

**WATER SUPPLY WELLS WITHIN 1,500 FEET OF THE SITE**

**FIGURE 3**




| SCALE: | DATE: | APPROVED BY: | SOURCE: |
|---|---|---|---|
| 1" = 500 | 01/28/08 | CDN | 1974 USGS TOPOGRAPHIC MAP, GRAYS CHAPEL QUADRANGLE |

**HANCOCK COUNTRY HAMS**
**3484 NC HIGHWAY 22**
**FRANKLINVILLE, NORTH CAROLINA**
**TRIGON PROJECT NO. 042-07-117**

Trigon Engineering Consultants, Inc.
313 Gallimore Dairy Road
Greensboro, North Carolina 27409

**Topographic Relationship of Water Well to the Site**

**FIGURE 4**

# APPENDIX A

NCDENR

North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor | William G. Ross Jr., Secretary

March 16, 2004

CERTIFIED MAIL 7002 2410 0004 4233 3012
RETURN RECEIPT REQUESTED

Norman B. Fisher
Gwaltney of Smithfield, Ltd.
P.O. Box 489
Smithfield, VA 23431

Re: Notice of Regulatory Requirements 15A NCAC 2L .0115(f) Risk-Based Assessment and Corrective Action for Petroleum Underground Storage Tanks, Hancock Country Hams, 3484 NC Highway 22 North, Franklinville, Randolph County, NC, Incident 3700, High Risk Classification

Dear Mr. Fisher:

The UST Section of the Division of Waste Management, Winston-Salem Regional Office, has reviewed the Corrective Action Plan dated February 4, 2004 for the above-referenced incident. The UST Section staff agrees with the proposed plan and schedule with the following modifications:

1. Water supply wells 1 through 7, SW, BHW, and ERW should also be sampled on a quarterly basis. (January, April, July, and October)

2. The monitoring reports should be submitted to the Winston-Salem Regional Office within thirty (30) days of the last day of the monitoring period.

3. Any revisions to the sampling schedule will be considered following the receipt and review of the findings from this monitoring activity.

Based on the recommendation of the UST Section staff, I hereby approve the plan and schedule. You should initiate this remedial action within thirty (30) days from the date of receipt of this notice. Please note that it is your responsibility to ensure that any waste generated during implementation of the plan is disposed of in accordance with all applicable county, state and federal laws.

Your prompt attention to the items described herein is required. Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties

If you have any questions regarding the actions that must be taken or the rules mentioned in this notice, please contact Stephen Williams at the letterhead address and/or at (336) 771-4600 extension 283.

Sincerely,

Cindy Rintoul
Regional Supervisor

cc: Mike Walker, Randolph County Health Department
WSRO files
John Stewart, Trigon Engineering Consultants

# APPENDIX B

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: MW-1D
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 10:05 to 10:45
Sample Date: 3/20/2008
Sample Time: 10:45
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 16.5 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 72 ft. |
| 5) | Height of water column (h) | 55.5 ft. |

### Well Purging and Sample Collection

1) Purge Method: BAILER
2) Sample Method: Bailer
3) Volume of water in well

- [ ] 1" well . . . . (v = 0.041 x h)
- [ ] 2" well . . . . (v = 0.163 x h)
- [ ] 4" well . . . . (v = 0.651 x h)
- [X] 6" well . . . . (v = 1.5 x h)

4) Volume of water removed prior to sampling: 83.25 gal. / 85 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH:
4) Dissolved Oxygen:
5) ORP:
6) Physical Apperance and Odor:
7) Other:

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: MW-1S
Locked: Yes [X] No [ ]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 11:05 to 11:15
Sample Date: 3/20/2008
Sample Time: 11:15
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 14.47 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 15 ft. |
| 5) | Height of water column (h) | 0.53 ft. |

### Well Purging and Sample Collection

1) Purge Method: BAILER
2) Sample Method: Bailer
3) Volume of water in well

- [ ] 1" well . . . . (v = 0.041 x h)
- [X] 2" well . . . . (v = 0.163 x h)
- [ ] 4" well . . . . (v = 0.651 x h)
- [ ] 6" well . . . . (v = 1.5 x h)

4) Volume of water removed prior to sampling: 0.10 gal. / 0.25 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

| | |
|---|---|
| 1) Temperature | °C |
| 2) Specific Conductance | µmhos/cm |
| 3) pH | |
| 4) Dissolved Oxygen | |
| 5) ORP | |
| 6) Physical Apperance and Odor | |
| 7) Other | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-1
Locked: Yes [X] No [ ]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 13:40
Sample Date: 3/20/2008
Sample Time: 13:40
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 127.53 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 220 ft. |
| 5) | Height of water column (h) | 92.47 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)
4) Volume of water removed prior to sampling: 138.71 gal. / 145 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH:
4) Dissolved Oxygen:
5) ORP:
6) Physical Apperance and Odor:
7) Other:

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-2
Locked: Yes [X] No [ ]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 14:00
Sample Date: 3/20/2008
Sample Time: 14:00
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 132.54 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 401 ft. |
| 5) | Height of water column (h) | 268.46 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)
4) Volume of water removed prior to sampling: 402.69 gal. / 730 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH
4) Dissolved Oxygen
5) ORP
6) Physical Apperance and Odor
7) Other

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-3
Locked: Yes [X] No [ ]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 14:10
Sample Date: 3/20/2008
Sample Time: 14:10
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 128.29 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 340 ft. |
| 5) | Height of water column (h) | 211.71 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)
4) Volume of water removed prior to sampling: 317.57 gal. / 498 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH:
4) Dissolved Oxygen:
5) ORP:
6) Physical Apperance and Odor:
7) Other:

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-4
Locked: Yes [ ] No [X]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 14:00
Sample Date: 3/20/2008
Sample Time: 14:00
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 106.32 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 301 ft. |
| 5) | Height of water column (h) | 194.68 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)

4) Volume of water removed prior to sampling: 292.02 gal. / 950 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH:
4) Dissolved Oxygen:
5) ORP:
6) Physical Apperance and Odor:
7) Other:

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-5
Locked: Yes [ ] No [X]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 14:10
Sample Date: 3/20/2008
Sample Time: 14:10
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 116.62 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 303 ft. |
| 5) | Height of water column (h) | 186.38 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)
4) Volume of water removed prior to sampling: 279.57 gal.
   Gauge is not working gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature °C
2) Specific Conductance µmhos/cm
3) pH
4) Dissolved Oxygen
5) ORP
6) Physical Apperance and Odor
7) Other Gauge is not working

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-6 (PLW)
Locked: Yes [X] No [ ]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 13:20
Sample Date: 3/20/2008
Sample Time: 13:20
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 139.31 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 267 ft. |
| 5) | Height of water column (h) | 127.69 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)
4) Volume of water removed prior to sampling: 191.54 gal. / 470 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH:
4) Dissolved Oxygen:
5) ORP:
6) Physical Apperance and Odor:
7) Other:

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Country Hams
Project Number: 049-08-011

## GROUNDWATER SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: RW-7
Locked: Yes [X] No [ ]
PVC [X] Steel [ ] Stainless Steel [ ]
Measuring point description: TOC

Purge Date: 3/20/2008
Purge Time: 9:45 to 13:35
Sample Date: 3/20/2008
Sample Time: 13:35
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to free product from measuring point | NA ft. |
| 2) | Depth to water from measuring point | 137.21 ft. |
| 3) | Thickness of free product | NA ft. |
| 4) | Depth to well bottom from measuring point | 221 ft. |
| 5) | Height of water column (h) | 83.79 ft. |

### Well Purging and Sample Collection

1) Purge Method: SYSTEM
2) Sample Method: SYSTEM
3) Volume of water in well
   - [ ] 1" well . . . . (v = 0.041 x h)
   - [ ] 2" well . . . . (v = 0.163 x h)
   - [ ] 4" well . . . . (v = 0.651 x h)
   - [X] 6" well . . . . (v = 1.5 x h)
4) Volume of water removed prior to sampling: 125.69 gal. / 512 gal.
5) Was well purged DRY? YES [ ] NO [X]

### Field Analysis

1) Temperature: °C
2) Specific Conductance: µmhos/cm
3) pH
4) Dissolved Oxygen
5) ORP
6) Physical Apperance and Odor
7) Other

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: SW-1
Locked: Yes ☐ No ☐
PVC ☐ Steel ☐ Stainless Steel ☐
Measuring point description: 0

Purge Date: 1/0/1900
Purge Time: 0:00 to 0:00
Sample Date: 1/0/1900
Sample Time: 0:00
Sampled By: 0

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | 0 ft. |
| 2) | Depth to well bottom from measuring point | 0 ft. |
| 3) | Height of water column (h) | 0 ft. |
| 4) | Diameter of well | 0 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:00 |
| 4) | Was well purged DRY? | YES ☐ NO ☒ |
| 5) | Does water supply have a treatment system? | YES ☒ NO ☐ |
| 6) | What type of treatment system? | 0 |
| 7) | Was sample collected prior to treatment system? | YES ☒ NO ☐ |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | NO SAMPLE |
| 7) | Comments | Supply Well is not pumping |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Beal (1)
Locked: Yes [ ] No [X]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 13:20 to 13:30
Sample Date: 3/20/2008
Sample Time: 13:30
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Norman (2)
Locked: Yes [ ] No [X]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 13:05 to 13:15
Sample Date: 3/20/2008
Sample Time: 13:15
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Gibson (3)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 12:55 to 13:05
Sample Date: 3/20/2008
Sample Time: 13:05
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Presnell (4)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 12:50 to 13:00
Sample Date: 3/20/2008
Sample Time: 13:00
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Jester (5)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 12:35 to 12:45
Sample Date: 3/20/2008
Sample Time: 12:45
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Hancock A (6)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 13:40 to 13:50
Sample Date: 3/20/2008
Sample Time: 13:50
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | Carbon and RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Hancock B (6)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/21/2008
Purge Time: 13:35 to 13:55
Sample Date: 3/21/2008
Sample Time: 13:45
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 7 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:20 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | 0 |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: Brown (7)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 12:40 to 12:50
Sample Date: 3/20/2008
Sample Time: 12:50
Sampled By: CDN/JCL

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | Outside spigot |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [X] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [X] NO [ ] |

### Field Analysis

| | | |
|---|---|---|
| 1) | Temperature | °C |
| 2) | Specific Conductance | µmhos/cm |
| 3) | pH | |
| 4) | Dissolved Oxygen | |
| 5) | ORP | |
| 6) | Physical Apperance and Odor | Clear |
| 7) | Comments | |

# TRIGON ENGINEERING CONSULTANTS, INC.

Client: Hancock Hams
Project Number: 049-08-011

## WATER WELL SAMPLING FIELD DATA

Location: Franklinville, North Carolina
Source/Well: ERW (8)
Locked: Yes [X] No [ ]
PVC [ ] Steel [X] Stainless Steel [ ]
Measuring point description: NA

Purge Date: 3/20/2008
Purge Time: 1410 to 1420
Sample Date: 3/20/2008
Sample Time: 1420
Sampled By: JCL/CDN

### Water Level and Well Data

| | | |
|---|---|---|
| 1) | Depth to water from measuring point | NA ft. |
| 2) | Depth to well bottom from measuring point | NA ft. |
| 3) | Height of water column (h) | NA ft. |
| 4) | Diameter of well | 6 ft. |

### Well Purging and Sample Collection

| | | |
|---|---|---|
| 1) | Purge Method | Outside spigot |
| 2) | Sample Method | NO |
| 3) | Purge Time | 0:10 |
| 4) | Was well purged DRY? | YES [ ] NO [X] |
| 5) | Does water supply have a treatment system? | YES [ ] NO [ ] |
| 6) | What type of treatment system? | RO |
| 7) | Was sample collected prior to treatment system? | YES [ ] NO [ ] |

### Field Analysis

1) Temperature °C
2) Specific Conductance µmhos/cm
3) pH
4) Dissolved Oxygen
5) ORP
6) Physical Apperance and Odor
7) Comments

# APPENDIX C

SGS

Craig Neil
Trigon Engineering
6200 Harris Technology Blvd.
Charlotte, NC 28269

Report Number: G118-512

Client Project: 049-08-011

Dear Craig Neil,

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS Environmental Services, Inc.

Lori Lockamy
2008.04.01 14:00:45 -05'00'

Project Manager
Lori Lockamy

Date

# List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-1**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-1D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **670** | 30.0 | MG/L | 100 | 26-Mar-08 21:45 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 21:45
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-2**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-2D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **656** | 30.0 | MG/L | 100 | 26-Mar-08 22:21 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 22:21
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-3**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-3D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **2730** | 300 | MG/L | 1000 | 27-Mar-08 12:53 |

**Batch Information**

Analytical Batch: 032708
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032708
Prep Method: 300.0
Prep Date/Time: 27-Mar-08 12:53
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-4**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-4D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **175** | 30.0 | MG/L | 100 | 26-Mar-08 16:29 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 16:29
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-5**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-5D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **191** | 30.0 | MG/L | 100 | 26-Mar-08 16:41 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 16:41
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-6**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-6D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **198** | 30.0 | MG/L | 100 | 26-Mar-08 16:53 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 16:53
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-7**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-7D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **113** | 30.0 | MG/L | 100 | 26-Mar-08 17:06 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 17:06
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **MW-1S**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-8D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **1670** | 300 | MG/L | 1000 | 27-Mar-08 13:30 |

**Batch Information**

Analytical Batch: 032708
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032708
Prep Method: 300.0
Prep Date/Time: 27-Mar-08 13:30
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **MW-1D**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-9D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **1220** | 300 | MG/L | 1000 | 27-Mar-08 13:42 |

**Batch Information**

Analytical Batch: 032708
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032708
Prep Method: 300.0
Prep Date/Time: 27-Mar-08 13:42
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **S-1 upper**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-10D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **46.3** | 30.0 | MG/L | 100 | 26-Mar-08 17:42 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 17:42
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **S-2 mid**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-11D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **72.9** | 30.0 | MG/L | 100 | 26-Mar-08 17:54 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 17:54
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **S-3 lower**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-12D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **79.3** | 30.0 | MG/L | 100 | 26-Mar-08 18:06 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 18:06
Initial Prep Wt./Vol.:
Prep Extract Vol:

Print Date: 4/1/2008

Client Sample ID: **Beal**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-13D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **187** | 30.0 | MG/L | 100 | 26-Mar-08 18:43 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 18:43
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **Norman**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-14D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **4.74** | 0.300 | MG/L | 1 | 27-Mar-08 13:54 |

**Batch Information**

Analytical Batch: 032708
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032708
Prep Method: 300.0
Prep Date/Time: 27-Mar-08 13:54
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **Gibson**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-15D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **126** | 30.0 | MG/L | 100 | 26-Mar-08 19:07 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 19:07
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **Presnell**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-16D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **78.9** | 30.0 | MG/L | 100 | 26-Mar-08 19:19 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 19:19
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **Jester**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-17D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **51.7** | 30.0 | MG/L | 100 | 26-Mar-08 19:31 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 19:31
Initial Prep Wt./Vol.:
Prep Extract Vol:

Print Date: 4/1/2008

Client Sample ID: **Brown**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-18D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **207** | 30.0 | MG/L | 100 | 26-Mar-08 19:43 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 19:43
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **ERW**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-19D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **94.1** | 30.0 | MG/L | 100 | 26-Mar-08 19:55 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 19:55
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **Hancock-post**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-20D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **99.5** | 30.0 | MG/L | 100 | 26-Mar-08 20:08 |

**Batch Information**

Analytical Batch: 032608
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032608
Prep Method: 300.0
Prep Date/Time: 26-Mar-08 20:08
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **Hancock-pre**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-21D
Lab Project ID: G118-512

Collection Date: 20-Mar-08 0:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 300.0**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Chloride | **1230** | 300 | MG/L | 1000 | 27-Mar-08 12:17 |

**Batch Information**

Analytical Batch: 032708
Analytical Method: 300.0
Instrument: IC1
Analyst: PSW

Prep Batch: 032708
Prep Method: 300.0
Prep Date/Time: 27-Mar-08 12:17
Initial Prep Wt./Vol.:
Prep Extract Vol:

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-1**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-1A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:40
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 11:52 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 11:52 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 11:52 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 11:52 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 11:52 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 11:52 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 11:52 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 93.9 | 85-115 | % | 1 | 27-Mar-08 11:52 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-2**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-2A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 14:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 12:18 |
| Diisopropyl ether (DIPE) | **2.17** | 1.00 | UG/L | 1 | 27-Mar-08 12:18 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 12:18 |
| Methyl-tert butyl ether (MTBE) | **1.07** | 1.00 | UG/L | 1 | 27-Mar-08 12:18 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 12:18 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 12:18 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 12:18 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.2 | 85-115 | % | 1 | 27-Mar-08 12:18 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-3**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-3A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 14:10
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | **8.13** | 1.00 | UG/L | 1 | 27-Mar-08 12:43 |
| Diisopropyl ether (DIPE) | **7.01** | 1.00 | UG/L | 1 | 27-Mar-08 12:43 |
| Ethylbenzene | **2.78** | 1.00 | UG/L | 1 | 27-Mar-08 12:43 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 12:43 |
| Toluene | **5.37** | 1.00 | UG/L | 1 | 27-Mar-08 12:43 |
| m/p-Xylene | **9.13** | 2.00 | UG/L | 1 | 27-Mar-08 12:43 |
| o-Xylene | **3.95** | 1.00 | UG/L | 1 | 27-Mar-08 12:43 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 102 | 85-115 | % | 1 | 27-Mar-08 12:43 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-4**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-4A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 14:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:09 |
| Diisopropyl ether (DIPE) | **1.74** | 1.00 | UG/L | 1 | 27-Mar-08 13:09 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:09 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:09 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:09 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 13:09 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:09 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.2 | 85-115 | % | 1 | 27-Mar-08 13:09 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-5**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-5A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 14:10
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:34 |
| Diisopropyl ether (DIPE) | **1.75** | 1.00 | UG/L | 1 | 27-Mar-08 13:34 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:34 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:34 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:34 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 13:34 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 13:34 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.4 | 85-115 | % | 1 | 27-Mar-08 13:34 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-6**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-6A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:20
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | **16.0** | 1.00 | UG/L | 1 | 27-Mar-08 14:00 |
| Diisopropyl ether (DIPE) | **6.15** | 1.00 | UG/L | 1 | 27-Mar-08 14:00 |
| Ethylbenzene | **8.46** | 1.00 | UG/L | 1 | 27-Mar-08 14:00 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:00 |
| Toluene | **28.9** | 1.00 | UG/L | 1 | 27-Mar-08 14:00 |
| m/p-Xylene | **26.2** | 2.00 | UG/L | 1 | 27-Mar-08 14:00 |
| o-Xylene | **19.2** | 1.00 | UG/L | 1 | 27-Mar-08 14:00 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 104 | 85-115 | % | 1 | 27-Mar-08 14:00 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **RW-7**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-7A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:35
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | **167** | 20.0 | UG/L | 20 | 25-Mar-08 23:42 |
| Diisopropyl ether (DIPE) | **68.2** | 20.0 | UG/L | 20 | 25-Mar-08 23:42 |
| Ethylbenzene | **141** | 20.0 | UG/L | 20 | 25-Mar-08 23:42 |
| Methyl-tert butyl ether (MTBE) | BQL | 20.0 | UG/L | 20 | 25-Mar-08 23:42 |
| Toluene | **321** | 20.0 | UG/L | 20 | 25-Mar-08 23:42 |
| m/p-Xylene | **358** | 40.0 | UG/L | 20 | 25-Mar-08 23:42 |
| o-Xylene | **514** | 20.0 | UG/L | 20 | 25-Mar-08 23:42 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 96.7 | 85-115 | % | 20 | 25-Mar-08 23:42 |

**Batch Information**

Analytical Batch: 1032508
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **MW-1S**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-8A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 11:15
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:25 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:25 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:25 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:25 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:25 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 14:25 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:25 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.4 | 85-115 | % | 1 | 27-Mar-08 14:25 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **MW-1D**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-9A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 10:45
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:51 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:51 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:51 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:51 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:51 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 14:51 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 14:51 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.2 | 85-115 | % | 1 | 27-Mar-08 14:51 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **S-1 upper**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-10A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 10:10
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 15:16 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 15:16 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 15:16 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 15:16 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 15:16 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 15:16 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 15:16 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 95 | 85-115 | % | 1 | 27-Mar-08 15:16 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **S-2 mid**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-11A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 10:15
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:23 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:23 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:23 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:23 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:23 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 20:23 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:23 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.1 | 85-115 | % | 1 | 27-Mar-08 20:23 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **S-3 lower**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-12A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 10:20
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:48 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:48 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:48 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:48 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:48 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 20:48 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 20:48 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.4 | 85-115 | % | 1 | 27-Mar-08 20:48 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Beal**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-13A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:30
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:14 |
| Diisopropyl ether (DIPE) | **11.8** | 1.00 | UG/L | 1 | 27-Mar-08 21:14 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:14 |
| Methyl-tert butyl ether (MTBE) | **2.53** | 1.00 | UG/L | 1 | 27-Mar-08 21:14 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:14 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 21:14 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:14 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 93.8 | 85-115 | % | 1 | 27-Mar-08 21:14 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Norman**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-14A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:15
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:39 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:39 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:39 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:39 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:39 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 21:39 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 21:39 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.6 | 85-115 | % | 1 | 27-Mar-08 21:39 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Gibson**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-15A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:05
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:05 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:05 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:05 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:05 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:05 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 22:05 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:05 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.4 | 85-115 | % | 1 | 27-Mar-08 22:05 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Presnell**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-16A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:00
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:30 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:30 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:30 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:30 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:30 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 22:30 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:30 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.5 | 85-115 | % | 1 | 27-Mar-08 22:30 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Jester**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-17A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 12:45
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:56 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:56 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:56 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:56 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:56 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 22:56 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 22:56 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.2 | 85-115 | % | 1 | 27-Mar-08 22:56 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Brown**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-18A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 12:50
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 23:21 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 23:21 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 23:21 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 27-Mar-08 23:21 |
| Toluene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 23:21 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 27-Mar-08 23:21 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 27-Mar-08 23:21 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 95.1 | 85-115 | % | 1 | 27-Mar-08 23:21 |

**Batch Information**

Analytical Batch: 1032708
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **ERW**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-19A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:20
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 13:37 |
| Diisopropyl ether (DIPE) | **1.19** | 1.00 | UG/L | 1 | 28-Mar-08 13:37 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 13:37 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 28-Mar-08 13:37 |
| Toluene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 13:37 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 28-Mar-08 13:37 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 13:37 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94 | 85-115 | % | 1 | 28-Mar-08 13:37 |

**Batch Information**

Analytical Batch: 1032808
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Hancock-post**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-20A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:45
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:03 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:03 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:03 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:03 |
| Toluene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:03 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 28-Mar-08 14:03 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:03 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.9 | 85-115 | % | 1 | 28-Mar-08 14:03 |

**Batch Information**

Analytical Batch: 1032808
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

SGS

Print Date: 4/1/2008

Client Sample ID: **Hancock-pre**
Client Project ID: 049-08-011
Lab Sample ID: G118-512-21A
Lab Project ID: G118-512

Collection Date: 20-Mar-08 13:50
Received Date: 21-Mar-08
Matrix: WATER

**Results by 602**

| PARAMETER | Result | RL/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:29 |
| Diisopropyl ether (DIPE) | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:29 |
| Ethylbenzene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:29 |
| Methyl-tert butyl ether (MTBE) | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:29 |
| Toluene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:29 |
| m/p-Xylene | BQL | 2.00 | UG/L | 1 | 28-Mar-08 14:29 |
| o-Xylene | BQL | 1.00 | UG/L | 1 | 28-Mar-08 14:29 |
| **Surrogates** | | | | | |
| Trifluorotoluene | 94.9 | 85-115 | % | 1 | 28-Mar-08 14:29 |

**Batch Information**

Analytical Batch: 1032808
Analytical Method: 602
Instrument: GC1
Analyst: RSB

Prep Batch:
Prep Method: 5030
Prep Date/Time:
Initial Prep Wt./Vol.: 5.00
Prep Extract Vol: 5

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093904

(1)

CLIENT: Trigon Engineering
CONTACT: Craig Neil — PHONE NO: (704) 595 1049
PROJECT: 049-08-011 — SITE/PWSID#:
REPORTS TO: Craig Neil — E-MAIL: cneil@trigoneng.com — FAX NO.: (704) 595 1050
INVOICE TO: same — QUOTE #
P.O. NUMBER

SGS Reference: G118-512

PAGE 1 OF 3

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C=COMP, G=GRAB) | Preservatives Used: HCl | Analysis Required (3): 602 | Chloride | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | RW-1 | 3-20-08 | 1340 | W | 4 | G | ✓ | ✓ | | |
| | RW-2 | " | 1400 | " | " | " | ✓ | ✓ | | |
| | RW-3 | " | 1410 | " | " | " | ✓ | ✓ | | |
| | RW-4 | " | 1400 | " | " | " | ✓ | ✓ | | |
| | RW-5 | " | 1410 | " | " | " | ✓ | ✓ | | |
| | RW-6 | " | 1320 | " | " | " | ✓ | ✓ | | |
| | RW-7 | " | 1335 | " | " | " | ✓ | ✓ | | |
| | MW-1S | " | 1115 | " | " | " | ✓ | ✓ | | |
| | MW-1D | " | 1045 | " | " | " | ✓ | ✓ | | |
| | | | | | | | | | | |

21C

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| Craig Neil | 3-20-08 | 1700 | | 3/21/08 | 1015 |
| Relinquished By: (2) | Date | Time | Received By: | Date | Time |
| Relinquished By: (3) | Date | Time | Received By: | Date | Time |
| Relinquished By: (4) | Date | Time | Received By: | Date | Time |

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 5.8°C °F:
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Special Instructions:
Requested Turnaround Time:
☐ RUSH _____ Date Needed ☑ STD



☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

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093905

(1)

CLIENT: Tryon Engineering

CONTACT: Craig Neil — PHONE NO:(704) 598 1049

PROJECT: 049-08-011 — SITE/PWSID# :

REPORTS TO: Craig Neil — E-MAIL: cneil@tryoneng.com — FAX NO.:(704) 598 1050

INVOICE TO: same — QUOTE # — P.O. NUMBER :

SGS Reference: 6118-512



(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE C=COMP G=GRAB | Preservatives Used: Hcl, — | Analysis Required (3): 602, Chloride | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | S-1 upper | 3-20-08 | 1010 | W | 4 | G | ✓ | ✓ | |
| | S-2 mid | " | 1015 | " | " | " | ✓ | ✓ | |
| | S-3 lower | " | 1020 | " | " | " | ✓ | ✓ | |
| | Beal | " | 1330 | " | " | " | ✓ | ✓ | |
| | Norman | " | 1315 | " | " | " | ✓ | ✓ | |
| | Gibson | " | 1305 | " | " | " | ✓ | ✓ | |
| | Presnell | " | 1300 | " | " | " | ✓ | ✓ | |
| | Lester | " | 1245 | " | " | " | ✓ | ✓ | |
| | Brown | " | 1250 | " | " | " | ✓ | ✓ | |
| | ERW | " | 1320 | " | " | " | ✓ | ✓ | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| Craig Neil | 3-20-08 | 1700 | | 3/21/08 | 1015 |
| Relinquished By: (2) | Date | Time | Received By: | Date | Time |
| Relinquished By: (3) | Date | Time | Received By: | Date | Time |
| Relinquished By: (4) | Date | Time | Received By: | Date | Time |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 5.8 °C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ (Date Needed) ☑ STD



☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

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093906

(1)
CLIENT: Trigon Engineering
CONTACT: Craig Neil PHONE NO:(704) 595 1049
PROJECT: 049-08-011 SITE/PWSID# :
REPORTS TO: Craig Neil E-MAIL: cneil@trigoneng.com
FAX NO.:(704) 595 1050
INVOICE TO: same QUOTE #
P.O. NUMBER

SGS Reference: G118-512

PAGE 3 OF 3

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C=COMP G=GRAB) | Preservatives Used: HCL — Analysis Required (3): 602 | Chloride | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | Hancock-post | 3-20-08 | 1345 | W | 4 | G | ✓ | ✓ | |
| | Hancock-pre | 3-20-08 | 1350 | " | " | " | ✓ | ✓ | |
| | | | | | | | | | |
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| | | | | | | | | | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| Craig Neil | 3-20-08 | 1700 | | 3/21/08 | 1015 |
| Relinquished By: (2) | Date | Time | Received By: | Date | Time |
| Relinquished By: (3) | Date | Time | Received By: | Date | Time |
| Relinquished By: (4) | Date | Time | Received By: | Date | Time |

(4)
Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 5.8°C °F
Special Deliverable Requirements:
Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT
Special Instructions:
Requested Turnaround Time:
☐ RUSH _____ Date Needed ☑ STD

Page 47 of 47

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☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

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093905

(1)

CLIENT: Trigon Engineering

CONTACT: Craig Nail — PHONE NO:(704) 598 1019

PROJECT: 049-088-011 — SITE/PWSID# :

REPORTS TO: Craig Nail — E-MAIL: cnail@trigoneng.com — FAX NO.:(704) 598 1050

INVOICE TO: same. — QUOTE # — P.O. NUMBER

SGS Reference:

PAGE 2 OF 3

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE C=COMP G=GRAB | Preservatives Used: HCl, — | Analysis Required (3): 602, Chloride | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | S-1 upper | 3-20-08 | 1010 | W | 4 | G | ✓ | ✓ | |
| | S-2 mid | " | 1015 | " | " | " | ✓ | ✓ | |
| | S-3 lower | " | 1020 | " | " | " | ✓ | ✓ | |
| | Beal | " | 1330 | " | " | " | ✓ | ✓ | |
| | Norman | " | 1315 | " | " | " | ✓ | ✓ | |
| | Gibson | " | 1305 | " | " | " | ✓ | ✓ | |
| | Presnell | " | 1300 | " | " | " | ✓ | ✓ | |
| | Jester | " | 1245 | " | " | " | ✓ | ✓ | |
| | Brown | " | 1250 | " | " | " | ✓ | ✓ | |
| | ERW | " | 1320 | " | " | " | ✓ | ✓ | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| Craig Nail | 3-20-08 | 1700 | | | |
| Relinquished By: (2) | Date | Time | Received By: | Date | Time |
| Relinquished By: (3) | Date | Time | Received By: | Date | Time |
| Relinquished By: (4) | Date | Time | Received By: | Date | Time |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature ∫C:_____ ↑_____

Special Deliverable Requirements:

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ (Date Needed) ☑ STD


☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761


White - Retained by Lab
Yellow - Returned with Report

# SGS

## CHAIN OF CUSTODY RECORD
## SGS Environmental Services Inc.

Locations Nationwide
- Alaska
- Ohio
- New Jersey
- West Virginia
- Hawaii
- Maryland
- North Carolina

www.us.sgs.com

093906

(1)

CLIENT: Trigon Engineering

CONTACT: Craig Neil — PHONE NO: (704) 595 1049

PROJECT: 049-08-011 — SITE/PWSID# :

REPORTS TO: Craig Neil — E-MAIL: cneil@trigoneng.com — FAX NO.: (704) 595 1051

INVOICE TO: Same — QUOTE # — P.O. NUMBER

SGS Reference:

PAGE 3 OF 3

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C=COMP, G=GRAB) | Preservatives Used: HCl | Analysis Required (3): 602 | Chloride | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | Hancock-post | 3-20-08 | 1345 | W | 4 | G | | ✓ | ✓ | |
| | Hancock-pre | 3-20-08 | 1350 | " | " | " | | ✓ | ✓ | |
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(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| Craig Neil | 3-20-08 | 1700 | | | |
| Relinquished By: (2) | Date | Time | Received By: | Date | Time |
| Relinquished By: (3) | Date | Time | Received By: | Date | Time |
| Relinquished By: (4) | Date | Time | Received By: | Date | Time |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: _____ °F _____

Special Deliverable Requirements:

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☑ STD

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report

# SGS

## CHAIN OF CUSTODY RECORD
## SGS Environmental Services Inc.

Locations Nationwide
- Alaska
- Ohio
- New Jersey
- West Virginia
- Hawaii
- Maryland
- North Carolina

www.us.sgs.com

093904

1

CLIENT: Trigon Engineering
CONTACT: Craig Neil PHONE NO:(704) 598 1019
PROJECT: 019-08-011 SITE/PWSID# :
REPORTS TO: Craig Neil E-MAIL: cneil@trigoneng.com
FAX NO.:(704) 598 1050
INVOICE TO: Same QUOTE #
P.O. NUMBER

SGS Reference:

PAGE 1 OF 3

2

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C=COMP G=GRAB) | Preservatives Used: HCL | Analysis Required: 3 — 602 | Chloride | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | RW-1 | 3-20-08 | 1340 | W | 4 | G | | ✓ | ✓ | |
| | RW-2 | " | 1400 | " | " | " | | ✓ | ✓ | |
| | RW-3 | " | 1410 | " | " | " | | ✓ | ✓ | |
| | RW-4 | " | 1400 | " | " | " | | ✓ | ✓ | |
| | RW-5 | " | 1410 | " | " | " | | ✓ | ✓ | |
| | RW-6 | " | 1320 | " | " | " | | ✓ | ✓ | |
| | RW-7 | " | 1335 | " | " | " | | ✓ | ✓ | |
| | MW-1S | " | 1115 | " | " | " | | ✓ | ✓ | |
| | MW-1D | " | 1045 | " | " | " | | ✓ | ✓ | |
| | | | | | | | | | | |

5

| Collected/Relinquished By:(1) | Date | Time | Received By: | Date | Time |
|---|---|---|---|---|---|
| Craig Neil | 3-20-08 | 1700 | | | |
| Relinquished By: (2) | Date | Time | Received By: | Date | Time |
| Relinquished By: (3) | Date | Time | Received By: | Date | Time |
| Relinquished By: (4) | Date | Time | Received By: | Date | Time |

4

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C:_____ °F_____
Special Deliverable Requirements:
Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT
Special Instructions:
Requested Turnaround Time:
☐ RUSH _____ Date Needed ☑ STD